

<211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895020H1

<400> 28379

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 ccattcaaag caacttgcac tgacacgccca ccacatttga tttctaagaa gcttcgtcgg 120
 attccttccc attttgtctg cccattgtc caggaagtaa tggaagatcc atacatagct 180
 gcagatggct ttacgtacga agaagaggca ataagaggat ggttgaatag tggccacgac 240
 acttccccca tg 252

<210> 28380
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895022H1

<400> 28380

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 gctttgatcc tgtggtcgtt gctagcaatc aacatggccc tgccaaccct cgcaaccgtc 120
 tacaccgtgg gagatacttc aggttgggca attggtactg attatagcac ttggactggc 180
 gacaagatct tttcagtggg tgatagtctc gcgttcaact atggagctgg gcacacagtg 240
 gatgaagtta aa 252

<210> 28381
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895024H1

<400> 28381

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 tggaagaact cactctggga caaggaaacg tggaaaaaca taatgtgcca aacaaggtct 120
 ctacagtgtc tgatatcatc accccgagtt cttctagtcc tgccgttgac ccaccgacac 180

00229-ETFE56
05443-03200

tgtccctggg gctatccttt tcatctgacc aaagacagac atcatcaaga cattcagctt 240
tacatgccat acaa 254

<210> 28382
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700895034H1

<400> 28382

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ccggtatggc tgatgtcttg gatgatgggt ttggaggtgg taagaggaag gggtctggga 120
ttagaatggt ttggtgattta tggaaaaaga agagccaaaa gtgatttatg gcttatatat 180
tcagtgagt aattagtagt actttaacta aggtcatgtt ttgatggtag cagaaacttc 240
caaagcagtt a 251

<210> 28383
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700895040H1

<400> 28383

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tgaacgcagt tcaacgcaga tctcttgaaa ttgctcaatt tttttcagac taaaaaattg 120
atgtgcccga caagtgatat attgaagctc tatattcaaa atcgtcactg agcacaaaac 180
tcgcacatgt ggcaacagtc aggaagggaa agaaataaat gacaaaatgc atcagtaaga 240
agaccatctc gg 252

<210> 28384
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700895041H1

<400> 28384

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 acctgcacct gcaccagctg ctccagctcc agctcctgct cctatatattt caggctcttc 180
 tgtcaggcca gagtctgata tatatgggca ggcagcatcc aatcttggtg ctggaagtaa 240
 cttggaggga a 251

<210> 28385
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895056H1

<400> 28385

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 ggtagctggt gcagcacatg gtggacatgg gtacccacct ggggcttacc caccaccacc 180
 tggggcatac cctccgcacc aagggtaccc tccacaacat ggggtatcctc cggtgggta 240
 ccctccacat 250

<210> 28386
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895065H1

<400> 28386

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 aaccgtggca tgtttgtgtc acacttggtg gaacctttgt ccattggggg tgccattaat 180
 tcgcacaagt tgtggggggc tagaatttct gctgctgttg cacaagaaga ggctgttggt 240
 gtggctgat 249

<210> 28387
 <211> 140
 <212> DNA

<213> Glycine max

<223> Clone ID: 700895068H1

<400> 28387

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aagaatgttg cagtcaagga tctcaagcgt ggttttgttg catccaactc caaggatgac 120
cctgcccaagg aagctgccaa 140

<210> 28388

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700895071H1

<400> 28388

gtttctgcaa gccattggat cattccctaa ttcgaagcct tgcaaaatcg cacgaggttt 60
tgatcaccgt ggaagaagga tcaataggag gatttgggtc tcatgttgct cagttcatgg 120
cccttgatgg ccttcttgat g 141

<210> 28389

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700895087H1

<400> 28389

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atatgatgat gatgaaaaaa attaaacaat atctaatacat cttgtttttt tcctgcttag 180
tgaagtattc gttttcatca ttttttgata ttgatacgtc ctttgctttt ttcacgcccc 240
ccttt 245

<210> 28390

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 700895088H1

<400> 28390

aaaaaagttg atgctcatgt gcaccagtta aagggtagca gttcaaggtg caciaagggt 60
 gaaaaatgcc tgcattgctt tccgcaactt ctgtgaggag cagaacacag atgcgtgcgt 120
 cagatgtctg caacaagtga 140

<210> 28391

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700895091H1

<400> 28391

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 aaaaccacaa gaagtgttcg acagagctcc agagcagact cctcagattc tgagtaacct 120
 gcatttcctg atgagtttgt tttattttacc tgcaccctga gcgaccgggt tatacactct 180
 aaacttggtc tcagtgactg ctttgtgggtg tgtctctatc tgtaagaatt tatcaggatt 240

<210> 28392

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700895093H1

<400> 28392

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 gtgaagttac accctctcaa ccagaaaata ctgatgtaaa gatattctca aagttgggtca 180
 tgagcaatgg tgttgtagaa gataatgttt tagctgactc caagtccatt aaaaaacaag 240
 a 241

<210> 28393

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895112H1

<400> 28393

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cgcttatccg gcctgttcag tctcaaaaca tcaactgctc cttaaacaca cttggaaaca 120
ttcagccatc tgtttttctt gcaaatacata gctcaagttt attacaggga attccgacat 180
caattgagct taaccaatct aagcaaagca actgtacaac tggaatatca cagttaagtc 240
aagttgattc 250

<210> 28394

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700895123H1

<400> 28394

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gcaacgtctt ctgaagagcg atccactgga ggaagtcaat ttttcaatga gaaacgcgat 120
ggtgtcataa tcctggagaa tgttaaagag gataataaga atgagttcga taaaacgggtg 180
attgaagaca caaaagaaga agagttgtct gatgatggac agggctctgtc atttgatttg 240
atggataag 249

<210> 28395

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700895125H1

<400> 28395

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ttgcagcaat gttggtgggt gtgagtggac aatcatcagt gaagcctttg gtgaagacag 120
tgaaggggaa gaaggtgtgt gacaaagggg gggagtgcaa aggttggtct gcatattgct 180
gcaatgagac tatctccgac tacttccaga cataccagtt tgagaacctc ttcgcgaagc 240
caattcgccg g 251

<210> 28396
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700895162H1

 <400> 28396

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 caagttttcc ccacgccaac aaaaccttat cttccaagga gatgctgcta tctcaccctc 180
 cggggtgtta cgactcacca aggttgacag caacgacgtg ccaacgacgg gatccctagg 240
 acgtgccctt tatg 254

<210> 28397
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700895171H1

 <400> 28397

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 cctcaccggc aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa 120
 ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg 180
 aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg agagtactct 240
 tcacctc 247

<210> 28398
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700895185H1

 <400> 28398

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 gaaccacatg agtgagatgt ttgcatacca tgcaaccatg atgtctaaca ctcttggaac 120

ctcaactgtt gtcttcacta gaacgggttt catggctgtc cttctgagcc attatcgtcc 180
 ttcgggcacc atatttgctt ttacagatga gaagagggtg caacagaggc tggctttgta 240
 tcaagg 246

<210> 28399
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895187H1
 <400> 28399

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 aaggtgtttg atatcgacct gcagaaacag ttgaggcctt acatggaatc tatggttcca 120
 ctccccggaa tctatgacct cgatttcatt gctgccaacc aaggagaccg tgccaacaac 180
 gtgatcaagg gcacaaagaa agaacaagtt caacaaatca tcaaagacat taaggagttt 240
 aaggaaag 248

<210> 28400
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895193H1
 <400> 28400

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 gctcttacac ttcaacgtgc attatctgaa ctactcacc taatagctat tctctcaata 120
 ttcctagtga tcccttcctt ttgtttcaac cccaaaaagc tttataatgc ttcattattat 180
 tctccatcta gttcagattg gtcacctgca gtggccactt ggtatggacc tgccaatgga 240
 gatggaagtg 250

<210> 28401
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895196H1

<400> 28401

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 aatactctat taaacaagct caagagagaa gaatcaccag acgcagcgaa gaaaaattct 120
 cctgagcctg cattcaagag gcaaagaatt gagactccat ctccattacc aacttttaag 180
 gttaggaag aaaagctggg ggaccgcac actgctcttc agcaattggt ttcacctttc 240
 ggaaagacgg ataca 255

<210> 28402

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700895217H1

<400> 28402

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 cttgctgtta tggcctttgc tggtgaccag gctcagaaca ttcactacac tccaattcc 180
 aattccacct tccaaactgc taacgtcaat ttcactgcca aggctgagag gactagaatt 240
 gcattctata gca 253

<210> 28403

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700895223H1

<400> 28403

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 caacaatctc tacaacctca acactttcaa gtactccggt ttggcgaacc agaaaactgt 120
 cactgttcaa cctgctggta aagaccagtc cgtgttgctc gcaacaacca agacaaagaa 180
 gcaaaacaag cctgctgctt tgcttcacaa atctgtcatg aaaaaggagt tccgtaggat 240
 ggcaaaggct 250

<210> 28404

<211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895233H1

<400> 28404

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 gtgaactcga agtgateccac tccaggtggg ccatgctcgg agccttgggc tgcgtcttcc 120
 cggagttgct gtccccgaac ggggtgaagt tcggagaagc cgtgtgggtc aaggccgggt 180
 cccagatctt cagcgagggt gggctcgact acttgggcaa cccaagcctg atccacgccc 240
 agagcatcct cg 252

<210> 28405
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895256H1

<400> 28405

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 tactgggaaa agacgaccct ggagagcttt cttgttgtat ggacctcctg gaacgggaaa 120
 atcatattta gccaaaggcag ttgcaacgga agccgagtcc acgtttttca gtgtttcttc 180
 atcagacctt gtttcaaagt ggatgggtga aagtgaaaag ctggtttcaa accttttcga 240
 aatggctcg 249

<210> 28406
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700895261H1

<400> 28406

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 tcatectctt cttggcggac aatgaccggg ctacctctct cagctgggtg cctgattgtg 180

tgagagcaga acctgtgata tacaagaagc tggaggcttc acctgatgac attgcactat 240
 tgagagctta tg 252

<210> 28407
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895271H1
 <400> 28407

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 actgcagaga agcaaaagat gtcactgggt gattgggcaa agcatcgcta cgcaaaggga 120
 tctctgggtg agattgtgga tcttgcactg aagggccaga tagcaactga gtgtatacac 180
 aaatttgggt aggttgcgct gagttgtttg cttgaggatg ggactcaaag gccctccatg 240
 aaggac 246

<210> 28408
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895291H1
 <400> 28408

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 ctctgtaaac atgttggttt accaggacct cttacaggt gatgagcttc tctctgactc 120
 cttccgttac aaggaaattg agaatggaat gctgtgggaa gttgagggga agtgggttgt 180
 taaaggagca gttgatgtag acattggtgc aaacccttct gctgaggggtg gaggagaaga 240
 tgagggagt 249

<210> 28409
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808401H1
 <400> 28409

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 tactatgtac ttggtgggta ggagttactc aactaggaaa tggatatctt ctaagtttga 180
 agatttcctt aagcatgtta aggctgtcat ccatttgtc ttctaaatgt tgtaatgaac 240
 atctaattct acttgagttg taagtgtgct gc 272

<210> 28410
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808404H1
 <400> 28410

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 catcatctct ttagctttgt ccaaagacca tgtctgtggt ggctgataat tctgcaaaca 120
 atggaagcca ccaagtgggt ttaaagttaa acggtgatgc cccaagaag tgtgatgact 180
 cagccaacca agactgtgta cctcttctgc agaagtgggt agcagagggt gtggggacgt 240
 acttcttgat atttcaggg tgtgct 266

<210> 28411
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808409H1
 <400> 28411

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 tgggaatgaa tgaaatgttt gattctgatt gtgttggtga gcttttcacg ccaaagcttc 120
 aatatttttag ataccatgac tctgatctgt atgatttttc tattgagggc aaccttcctt 180
 ttatagaaca agtggatatt gatgtgggtt gtttgaccaa cgacactgat tcactgcttt 240
 tgctgattca attgtttgaa atg 263

<210> 28412
 <211> 267
 <212> DNA

<213> Glycine max

<223> Clone ID: 700808413H1

<400> 28412

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atcatcaatg cccctcaatg gtatgatgct gggaaatcag agtactttgc atcttcctca 120
accctcttcg tgatcgagtt catcttggtc cactacgtcg agatccgaag atggcaggac 180
atcaagaacc ctggctgtgt caaccaagac cccatcttca agcaatacag cttgccccca 240
catgagtgtg gataccctgg tagtgtg 267

<210> 28413

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700808420H1

<400> 28413

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gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc aaacactccc 120
attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180
cacctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa agaagacctt 240
catccaggca aaacaatgaa agtac 265

<210> 28414

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700808428H1

<400> 28414

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acaagcaagc aaaggggtcca accatgggtc ttcaaactca cataacagct atggcagcgg 120
aagccagaat ggatcaacca tcaacagtgg caatcatctt aacaacggca acaggtatga 180
cgactcatc cactacggtg aacgccctat ttataacagt ggcactttca atggtaatgg 240

caacgggtca catatcaagg gtgg

264

<210> 28415
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808429H1

<400> 28415

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 tcagaaaagc tactggattg aacatacgac ggacttgtcc gtagagtcaa tgatgctcga 120
 ttccaacgcc tctgatctcg acaaggagga gagacccgaa gttttgtccc tactaccacc 180
 atatgaagga aaatcagttg tagaacttgg agcaggtatt ggaagattca cagttgaatt 240
 ggccaagaaa gctggccagt tacttg 266

<210> 28416
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808434H1

<400> 28416

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 ccttttacag gaactatggg aagacattca agaagccgcg tcgtccgtac gagaaggagc 120
 gtctcgacgc ggagttgaag ctggttggtg agtacgggct tcggtgcaag agagagctgt 180
 ggaggggtgca gtacgcgctc agccgcatcc gcaacaacgc gcggaacctc ctcaccctcg 240
 acgagaagaa cccgcgccgg atctt 265

<210> 28417
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808436H1

<400> 28417

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tagctgaaga gattaataaag ggagctggtt ccgttgaagg tgtggaagca aagctatggc 180
aggtacctga aacactttct gaagaggtcc ttgggaagat ggggtgcacct ccaaagagtg 240
atgtaccgat tattacaccc aa 262

<210> 28418
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700808439H1
<400> 28418

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ctcacctgaa aatgtcttgc tgcggtggtg actgtggttg cggaagctcc tgcaagtgcg 120
gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240
gtgtgcccgc tgagaacga 259

<210> 28419
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700808442H1
<400> 28419

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attgagtgtt atattgctat tgggaaagta atggtgatct cataggtgca atcaatctat 120
taagtgcag agctagagga gaatattctt tgggggtagg tcatgcttga gaaatgaaaa 180
acaataaaaa ttatctttta ttcactttta aacctttaaa aaaggggcta aacttttatt 240
atctattaac tattatgcc 259

<210> 28420
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700808447H1

<400> 28420

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 cgctagtagt acccataagt ggtttgttca cttttttttc tgacaaattg tgaacaaaaa 120
 tgttgtaaaa atcgcataaa ttccaaaatc tgcttcttga ttttccaaca aatgaaactg 180
 cagggtggtgg tttgatatac ggaatagcat tggctgcaa gtccattaac ccagctattc 240
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<210> 28421

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700808449H1

<400> 28421

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 tgcagaaatc tttgtccaga gttagttatt tagtttctga actaaaactg aagtgaatt 180
 ttgatgggct aattgcttca tactttatat cacacatctc atagcatgtt gtaaagtccg 240
 gatttgtttt gcaaaatgat ttt 263

<210> 28422

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700808452H1

<400> 28422

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 aaaaactata actacagctc agaatcaacg catacaaac agctttgctc cattagccat 120
 tgcaattcag actctctttt aaatgagatt gctagagcgg cccttgtacc agacacaagt 180
 tatattgcca agccagctgc ctcatggctt gatgatattc ttgtgtgggt gtctccagaa 240
 gcatttggtt gctgcagga 259

<210> 28423
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808456H1

<400> 28423

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 actaccacct tgacacaccg gacaacaacc ctaaacttcc atgggaattc accgaggcca 180
 atcaagcaaa ggtaaggag attttgtctc actatccatc caactataag caatctgcta 240
 caattcctct tttggatc 258

<210> 28424
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808460H1

<400> 28424

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 aagagaaaac aatgggtttc cgcatacctg ctattgtcac gcaagcatcg ttttctacaa 120
 cccaagcagc ctccaagagg gttgaagtac aaaaaggata tcttgcggtc tatgttggag 180
 ataagatgag gcggttcattg attccagtat cataacttgaa caaaccttca tttcaagaat 240
 tacttagtca agcagaagaa g 261

<210> 28425
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808463H1

<400> 28425

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ggtttagttg ctggcactat ctgggggacc gtagttgccca cctgggtatga tgtccctcgt 180
 gtagagagaa atgttgctct tccagggctg attaggactt tcaagatgat gggcaactat 240
 ggtttgacct ttgctgccat aggag 265

<210> 28426
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808465H1
 <400> 28426

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 gtgttcctga tccaagatc aggatttatg atgttggtat gaagaagaag ggtgttgatg 180
 agtttccttt ctgtgtccat ctggtagtt gggagaagga aaatgtttca agtgaggccc 240
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<210> 28427
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808466H1
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 cagaaagatt ctaggtcagg ttaagcaaac tgaggctggt ccacctattc catcggcaaa 180
 gaagccttcc cagtctaagg aatctaagcc caagcctaag gatgaaccaa agaaagtggc 240
 taaaccagag cccaaagaag t 261

<210> 28428
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808469H1

<400> 28428

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 atttctccat acttcgttac tgacagttag aaaatggctg ttgagtatga gaactgtaag 120
 ttgctgttag ttgacaaaaa gataaccaat gcacgggagc ttatcaacat actggaggat 180
 gctattagaa gtggacaccc tatattgatt attgctgagg atattgaaca agaggcttta 240
 gcaactcttg tgggtga 256

<210> 28429

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700808482H1

<400> 28429

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 tctcccaaatt tcgagtcttc cttcgtttcc aagtcagcgt taagggttta gtttggcgcg 120
 tgcgatgaag atcgaggaat tggacgatgg agagtgtagt agggaccatg aagagaagtt 180
 tgagaggcag attgtgagcg ttgatgccaa gagagcgttg gttggagcag gtgctcggat 240
 cctgttctat cccacactc 259

<210> 28430

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700808486H1

<400> 28430

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 gcatctctca aagaaatatg gtcctttatt ttcccttcaa tttggattaa ggccagccat 180
 agttgtttcc tctccaaaat tggccaaaga ggtaatgaaa gacaatgacc ttgagtgtg 240
 tggacgacct aaat 254

<210> 28431

<211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808488H1

<400> 28431

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 atttctctca caccactctt gtccttgagc ggttcctcat ggtggatgat atattgcaaa 180
 aaagtttcac ctttacaag agtgagtatt atatcactac tagtcttatg cttctcttgc 240
 tcactctgcc acttg 255

<210> 28432
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808491H1

<400> 28432

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 cggcagtggt ttccccaaga tggtctgtct gcccacatat catatgcagc ttattcctgc 180
 aacagtcagt taatatatgc tacattttgt gatgccaaca ttgggtgttt tgatgctgat 240
 agcttgaggc tcagat 256

<210> 28433
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808495H1

<400> 28433

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 gatgttactc ctctatccac tggtttggag actgcaggag gagtcatgac tgtgttgatt 120
 cccagaaaca caaccattcc caccaagaag gagcaggtgt tctcaacctt ctctgacaac 180

cagcccggtg tgttgattca ggtctatgaa ggtgaacgaa cgaggactcg tgacaacaat 240
 ttgcttgga aatttgagtt atc 263

<210> 28434
 <211> 127
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940905H1

<400> 28434

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 cccacaccct ctgtgtgagg tgtggccgcc gcagtttcca cctccagaag agtcgttgcg 120
 ccgcgtg 127

<210> 28435
 <211> 120
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940944H1

<400> 28435

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 tgatgatctc tccaacattt ctctaccca cctaagtgag tgttgctgaa cttgccacaa 120

<210> 28436
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700940981H1

<400> 28436

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 aatcgcagga tggttcttcg cagtcacagt cgtggatatcc gccatcggtg gtgagttcac 180
 ctacttcacg gaggcctggt acaccgactg catcttcttc ttcattatcg cagaggcctt 240
 cgt 243

<210> 28437
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941018H1

<400> 28437

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 ttggcttatt actgtttgag tcaaaatccc aaagcaaggc cactaatgag tgatgtgggt 180
 gagacattgg agcccttgca aagttcaagt gttgggtccag gtgaagtctc attatctgga 240
 tcaaatagtg ggagtgtctg gcc 263

<210> 28438
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941034H1

<400> 28438

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 ccagatcgtc gacgtcttcg tacgcgtcac cggcggtgag gtccggcgcg cgagttccct 120
 cgccccgaag atcgggtcccc tcggcctctc cccaagaag atcggagaag atatcgccaa 180
 ggaaaccgcc aaggactgga agggcctccg cgtcaccgtc aagtcaccg tgcagaaccg 240
 tcaggccaag gtcacggtgg tc 262

<210> 28439
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941049H1

<400> 28439

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ctatttggct cctccataat tcaaagagc ttcgacaatg gtggttgggg tgctattcta 180
gctaacttgt acgctaggaa ggcgacatc atcttaagag gatactctgg ttggaattca 240
aggcgggctt tggaggtttt 260

<210> 28440
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700941054H1

<400> 28440

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tgtttgacga gatgtgtaag ttgggtgttg aactcaatgt gatggggttt acctgtttga 120
ttcagtgcct gggaagggca atggaatttg atgatttggg gagagttttt gacatttcgg 180
ttgagagagg aattaagcca gatgataggc tatgtggttg cttgctatct gttgtgtctc 240
tgtctcagg 249

<210> 28441
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700941060H1

<400> 28441

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cagatgaaat tctaagctgc atagtttctt ttctgccact agaaaccagc ctcatatcta 120
ctaggtggag agacctgtgg aaccaagccc ttgtagaca tggaagcaca caagacgacg 180
tagctagtgt tggtgctggt tttctgtctc gttttgaaga gcttgatcca ttaaacatc 240
ctc 243

<210> 28442
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700941066H1

<400> 28442

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 tttgtcattg gtggatctta gctctgatgg atctggccaa attccatattg aacttattag 180
 ggacacactt cagatcagtg atgatgaggt ggaactatgg gtagtttagag gattaactgc 240
 taacttaatt gactg 255

<210> 28443

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700941071H1

<400> 28443

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 cttccataca gatggcccaa atgctggtga tccggagcct tttcccatgg gtgccaatat 180
 tagactgaga cctggaaaat ctgcactgc tggcaatgag gagaatcgaa gccaaaggag 240
 cccttca 247

<210> 28444

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700941078H1

<400> 28444

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 ccaaggctgt gatcactggg tacaaagatg ggttcaacca gattaagtcc ttgggtgatg 180
 ttggaggtgg cattggaggg tctctttctg agattgttag ggcttatcct cacatcaatg 240
 c 241

<210> 28445

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941124H1

<400> 28445

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 ccaccgtcac cacccaagcc tccgccgcaa tttccggcc atgtacctcg aaatcgaggt 120
 ttttgaccgg ctcttccggt aaacttaacc gggaagtgc tatgcggcca atggggtgcc 180
 ctcttctgc ctctttcaag gttgaagcca agaaggaga gtggttacct ggcttggcct 240
 ccccaactta cctcaat 257

<210> 28446
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941138H1

<400> 28446

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 agtaggattg tgtcttcctt catcacacta aacaagttaa aagaagagca tcaactgaact 120
 aacaaagcaa ccctatgtcg aagggtggtt gtgtcaccgg agccagcggc gccatcggat 180
 catgggtggt cctactctc ctccagcgtg gttacaccgt ccatgccacc gtccaagata 240
 tcaaggatga aaatg 255

<210> 28447
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941165H1

<400> 28447

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 tcattccctt tttttcgatc aaaatcaaatt cgtgcggaaa attccatgtc tggaccattg 180

gttgatcaaa aggatgggat gctagtgttg aaaaacaagg cccctagggtg gcatgagcag 240
 ctgcaatggt gg 252

<210> 28448
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941167H1
 <400> 28448

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 gttaatggaa tctgcgttcg agtttatcaa gcaatacggg ataactacag caagcaatta 180
 cccttatgaa gcaaaagatg gaacttgtga tgcatacaag gtgaatgaac ctgcagtgtc 240
 aattgatggc 250

<210> 28449
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 <213> Glycine max
 <223> Clone ID: 700941171H1
 <400> 28449

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 cttcttgggc agtgaatcat gggattcaaa ggtctggcga aacagcatct gttttgtcca 180
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 taattttgtc 250

<210> 28450
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941193H1
 <400> 28450

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 ggacettact cagatcgctc acttgctcga ccaaactc agccccgacg ccatcgccgt 120
 cccagccgcc accgatgcgc tcgatcgctc ctcccttact ccgcacttcc ctttctatct 180
 cctctccatt tccaccggag caggaaatca aggtcagaaa atcgctgctg ctacctacct 240
 caagaacctc att 253

<210> 28451
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941201H1

<400> 28451

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 atctgttgat gaggacatga ccaagagcaa gggcaaggat ccacttgaag gacttggagg 180
 acctatgaca agggctagag aaaggaaatc caaggaagct cttcaacaag tgttgtccat 240
 actatttgaa tacaagccca agtttcaagg 270

<210> 28452
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941213H1

<400> 28452

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 ggtgggtctg agtcataat caccacgaaa tctggtgaaa gagcatcaac caaaacta 180
 gggtcccgtg aatttttgcg ttattatcgt caaaaacctc ggccatcact agcaaatatg 240
 gctatcactg ctgcgttggc ttca 264

<210> 28453
 <211> 266
 <212> DNA

<213> Glycine max

<223> Clone ID: 700941216H1

<400> 28453

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ggccattaac ggtttacttc cccatagaga tgtacattaa gcagtcaaag atgcaaaagt 120
tttccttcac ttggacatgg ctcaagatat tgagctgggc ttgcttgatc gtttctatta 180
tctcagctgc tggctccatc caaggcctcg ctcaagatct caagaaatat cagcccttca 240
aagcccagca ataattaaat ttgttc 266

<210> 28454

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700941217H1

<400> 28454

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gagactcttt cgacgagaag tcgaggattc cggatccgca gaggatgatt agggcttatt 120
gccaaagccgc ggccacgctg aatcttctca gagcttttgc caccggtggg tatgctgcta 180
tgcagagggt tactcagtgg aatttgact tcacggatca cagcgaacag ggagataggt 240
accgagagct tgctaaccga gttgatg 267

<210> 28455

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700941221H1

<400> 28455

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tcattttctc tcgaagcaag aaaaatgttc atcgagagtt tcaaggttga gagtcctaac 120
gtgaagtaca cagagactga gattcagtcc gtgtacaact atgaaaccac tgaacttggt 180
cacgagaaca agaatggcac ttatcagtgg gttgtcaagc caaaaactgt caaatatgaa 240

tttaaaacca acacccatgt cccta

265

<210> 28456
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700941223H1

<400> 28456

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accagctctg tctccaaagc gcacccccgt cgccacacct cagaagtctc cctcgccggc 180
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gtctccgtca ccaaactcag tcgac 265

<210> 28457
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700941227H1

<400> 28457

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gttttcccca acttgaagta cgtgggcatt gaattgtggc aggtgaaatc tgggtactttg 120
tttgacaatg tcttaattac tgatgacct gaatatgcc aagcaactggc tgaagaaaca 180
tggggcaagc acaaggatgt tgagaagaca gcatttgaag aggctgagaa gaagagggaa 240
gaggaggaat caaaggatga ccc 263

<210> 28458
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700941249H1

<400> 28458

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gtcaaaacta cccatccacc caggcaacga tggacgtagg aaccgccgac gatcattccc 120
 cggaagccgc catatcgcgg tggaaattcg cgggtgctcg gcagtaccag cacatgctgg 180
 acaaaacgac gccgcacgtg ctccgacggt ggatcggggtg cctgggtgggt gccgccgtgt 240
 acgtgctccg cgtgtacttg g 261

<210> 28459
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941252H1
 <400> 28459

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 tgcacgtgt gcacttgaaa acacaggcac agtcacggaa aaattcctcc acattatcaa 180
 aggaggcaca gagacaggaa gaaccaaagc gacctcagtc gagtgagggtt aatgttattc 240
 catcaagatc atctaaaag 259

<210> 28460
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941255H1
 <400> 28460

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 ctgcgtctct tcctcttctc tttcgattca tcctcatte ataattctcc aatccaacaa 120
 cctcagcctc acactcacac atacacacat ctgaacgcgt atcgtccttc ccatggcttc 180
 aaagcgcac ctcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240
 tgggtccagta gctgagga 258

<210> 28461
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941314H1

<400> 28461

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 atggatgttc tatccaaggc tgcaatgaac aaagggatga gcaactatgt gtttgtcggt 180
 tatcgatcatg ctgttgcatt ctttgttatg gcccctttgg catggttttt tgacaagaaa 240
 gtaaggccaa agatgacatt at 262

<210> 28462

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700941316H1

<400> 28462

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 cccattctct ggcgagcccc cgctctacct cactggcgag ttcccagggtg actacggctg 120
 ggacactgct gggctttcgg ccgaccaga aaccttcgcc agaaaccgtg agctcgaagt 180
 gatccactcc aggtggggcca tgctcggggc cttgggctgc gtcttccccg aactgttgtc 240
 ccgcaacggg gtcaagtttg gagaa 265

<210> 28463

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700941322H1

<400> 28463

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 gactttgcaa catgacaaga agaactatga tgatgaagat aattggctctg tcgcctctc 120
 tgctatgtct atgcgcacag ctagatctaa ggtaactcat ggttcagccc ctacatttag 180
 atgctccgaa cgtgcagaga aacgtaggga gttttatctg aagttggagg agaaacaccg 240
 agctcttcga gaagagaaaa accag 265

<210> 28464
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941326H1

<400> 28464

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 tttcggatga tatcacctaa aggctctcgc atgtctccac aacttcttgc agtggtgcaa 120
 gctttttgagg caacattggc agagaggctg aaaaatctta tgcctaaaag caaggatgaa 180
 atcctcacct tgtcttggat gacttttagct atgaagtcac tttgtgaaag tcacaatgac 240
 atacggaccc ttatgactgc cc 262

<210> 28465
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941331H1

<400> 28465

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 agcattcaac aatatttaca atggcactgg catttttggg atccaagtta caacaggctc 120
 agattttgta tcaaaagcca ttgatatagc tgctaagagc attcttgggtg ttgctactcc 180
 tggacaagtt gaccaggcac agettaatcg agccaaacag gctaccaaatt ctgcaatttt 240
 gatgaatttg gaatcaagaa tggc 264

<210> 28466
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941332H1

<400> 28466

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 catggcgaca ccagcgacga cgaagcgaaa accggtgttc gtgaagggtg atcagttaaa 120

acctggcacc aacggccaca cactgacggt gaaggtggtc agttccaagc cgggtaagac 180
 ggtgagcacc cgcgggcggtc gaccgacggt gctagccgcg cgcccgtcgc gcattgccga 240
 gtgcctcgtc ggcgacgaaa ccgga 266

<210> 28467
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941342H1
 <400> 28467

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 accagtatac aaggggtgtac tatcagatgg tgctgtgatt gctgttaagc agctctcctc 120
 caaatcaaag caaggggaatc gcgaattcat caatgaaata ggcatgatat ctgctttgca 180
 gcatccaaat cttgtgaaac tttatggctg ttgcattgaa ggaaaccagt tgctgctagt 240
 atatgagtac atggagaaca 260

<210> 28468
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941359H1
 <400> 28468

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 gaaatcaaca agaaaagatg tcaggtgaag aggtagctgt tgcagttgag gtacctgcta 120
 cttcaattcc aggtgagcca atggacatca tgactgctct acagcttgtg ctgagaaaat 180
 ctctggccta tgggtgtctt gcacgaggtc ttcattgaagg tgccaagggtg atcgagaagc 240
 atgctgcaca gctctgtgtt 260

<210> 28469
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941503H1

<400> 28469

gttcatgaca ctaatttggt caggatctct catctagaca aagattgatg atatgttttt 60
 aactttctta atttatgtta tgttctatth gagagattcc tgtacaagtc aaaatctata 120
 taatagatgt gtgaagaata atctaagtga gaatgattat tctgctatgt acgctttctg 180
 ttcatgatgg agtgaaacaa atgatggtha gcttattctt atgctaccga tagccattgt 240
 tga 243

<210> 28470

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700941534H1

<400> 28470

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 tcttgatga taattctcag tttcattcct tttgtttagt tttatacctg tttctcattt 120
 catttatagg ttgatgtagt tgtgtgatga ttttatgggt tttctgatgt ggaaatagtg 180
 tggatgtgt taattaattc attgtttgta cttgtgaaat agtgatgtta attagccttg 240
 t 241

<210> 28471

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700941550H1

<400> 28471

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 cgcggttttag ctattgtacg taaaggggat gaagtctcgg aaatgaattt tgtgattctg 180
 aattttgtat caaatctgaa tatectttct aact 214

<210> 28472

<211> 237

<212> DNA

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941681H1

<400> 28475

acttggcatc gcttctcctc tctcccaaga aagaatcatc aatggcgatt gaacacgaag 60
 acgatctcaa agacgagaag aaccctcgac ctctcgacga ggatgacatc gccctcctca 120
 agacctacgg tttgggacct tactccacaa gcataaaaaa ggcggagaag gaaatcaaag 180
 atatggccaa gaaagtgaat gacttatgtg gtataaagga gtctgatact ggttttagctg 240
 caccaagcca gtgggatctt gtttctgata 270

<210> 28476
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941683H1

<400> 28476

aagtactgtc aggcgtgatg ctctcctgg acagaagggtt ggtctcattg ctgttaggag 60
 gactggtcgt cttagaggac aagctgctgc aactgctgcc aaggctgata aggcttaaag 120
 agaacgttgt tagggttatt atatttgatt gcaagttttt cagttttgtt tttctttttt 180
 ctgatagttt gtttggttaa ctatttgggc accttcttca gaaccatttt cttcccaaca 240
 tatggagttt tcaatagacg gtc 263

<210> 28477
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941775H1

<400> 28477

caacacttca tttcttactc tcactgaaaa aaaatagctt gttcacacca tcctattttt 60
 tcaactcata tatacaaata tatataacat ggcttctacc ttctctcgaa gcctagcact 120
 tgtaagcttt tacattgtcg tttgtgctgc cggtaacttg aaccaagact ttcagcttac 180

gtggggagat ggtcgtgcta aaataactcaa caacgaaaat cttctcactc tctcccttga 240
caag 244

<210> 28478
<211> 255
<212> DNA
<213> Glycine max
<223> Clone ID: 700941925H1
<400> 28478

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tcaatttgag ggtgctgaaa tgggtgtgcc cgctgagaac gatggctgca aatgtggacc 120
aaactgctcc tgcaaccctt gcacttgcaa gtgaggtgtt gggagagcaa gcttcaagca 180
gagatagccc ttaattagga ataatgataa actattaatg tgtagctaaa aacttatgta 240
ttatgtctgt gatgg 255

<210> 28479
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 700941942H1
<400> 28479

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cattgatgag tactgctatc tcagccttcc catctctcct ttcttctctca aaatccagat 120
ttgccaccgc agttcctctt tctagctttg gtgtcaccaa tgctctctct tctcgctttt 180
ctatgagtgc tgactggatg ccaggccagc ctagacctcc ttaccttgat ggttcagcac 240
ctggtgactt tgg 253

<210> 28480
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700941972H1
<400> 28480

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 gaacgttact gtcgtgccgt ttctgctatt gtttatgttg ttgatgctgc cgatccagat 120
 aaccttagca tatcaagaag tgagcttcat gatttgctga gcaaaccatc attgggtggc 180
 atccctctgt tggatttggg gaacaagatt gacaaagcgg gggctctgtc taaacaagca 240
 ttgactga 248

<210> 28481
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941994H1

<400> 28481

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 gatgactggg atgaggatgc acccatggaa attttagatg aagaagcaga gaaacctgaa 120
 ggatggttgg atgacgagcc agaggaaatt gatgaccag aggcgacaaa acccgaagac 180
 tgggatgatg aggaggatgg aatggggaaa gcccacaaaga ttgaaaacct gaagtgtgag 240
 gcagcc 246

<210> 28482
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942040H1

<400> 28482

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 taagagcaaa aagacaaaaa gaacagcacc aaagtccaat gacatctacc tcaaattact 120
 tgtcaagctt tatcgattcc ttgtcgaagg acagacagca atttcaatgc tgtgatactc 180
 aagcgcttgt tcatgagcaa ggtaacaag cctccaattt ctttgtcaag gttaattaag 240
 tatacgaagg ggaaggagga ta 262

<210> 28483
 <211> 259
 <212> DNA

<213> Glycine max

<223> Clone ID: 700942053H1

<400> 28483

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acttccttc tttgcttcca aggtgaggct tgggacgggt ggtgtggagg aagttctggg 120
cttggggcac ctctcagatt tgagcaacaa ggcctcgaaa gccttaagcc tgaactcaaa 180
tcatcaattg agaagggaat caaatttgcc aaccagtaat tgaacatgtt atcacatata 240
tgtctggtag gttactgga 259

<210> 28484

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700942094H1

<400> 28484

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aggtcttatt ggagtttata atgattggtg tgaacctttc tcaacatata ctcgcaccta 120
tgacctgata catgggcaag catggaatca cttgtaaagg atccagcctc tggcagaaac 180
agatgtaccc ttcttgattt gatgggtgaa ctcgatcgaa ttttacgccc agaaggcact 240
gttgtggtga g 251

<210> 28485

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942117H1

<400> 28485

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tcggtttgcc tggcgggggc tctgaagtgg aaactccaag ggccactggg aagagagggt 120
tctctgagac cgttgatctg aagcttaata ttcagaccaa ggaagatctg aatgagaatc 180
tgaagaatgt ctcaaaggag aagactctcc ttaaagatcc tgctaagccg cgggctaagg 240

ctcaagtggg ttggttgcca ccagtgagat c

271

<210> 28486
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700942141H1

<400> 28486

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gatgaatcag acaagtccaa atctgaagtg aatgatgaag atgatgccag tggagaggag 120
gaccaccaag aggacgagga tgatgaggag gaagaggacg atgaagatga tgactgagat 180
tgatgtccaa aaccttggtt atgatatttt gtttatgagg gaggctatta tatattctga 240
ctgtgcatac taggcta 257

<210> 28487
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942169H1

<400> 28487

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cggccgcctt ggatacctca caggatcatg tactccgtcc accggttgcc taagttggca 120
ttgtacaatt atttgggctt ccattttggc tcaaaagttg taatcatttt cctatagctt 180
tttagttatt atcttctaag tgttccaagt aactggattc agtggtggct ttgactgtat 240
ttggcatctg atactatt 258

<210> 28488
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700942173H1

<400> 28488

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attgcggtatt tttatTTTTga tccttatagt cgtcctgctg aaaaaaggca aggtgcatgg 120
atggatgaag tctttgctcg tagtcgtgtg ttatcgcgcg atggtacctc agcaagattg 180
cctgttgctc acatgggtgtg caatcaaact cctccagtag gaaacaagcc aagtctaattg 240
acattccgtg a 251

<210> 28489
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: 700942186H1

<400> 28489

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aacattactc ggactcccat cactactttt tcttttactt ttaaaaaata aaaagaatct 120
tctgc 125

<210> 28490
<211> 48
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700942317H1

<400> 28490

taagatacag gaaatatgat ttgnncgacg tgaatncttt ttgttact 48

<210> 28491
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700942592H1

<400> 28491

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ggaggtgtga ttgtggattc tggaaccgcg ataactcggg tgcggactca ggcctacaac 120
tcgggtgcgcg acgctttcaa gaggaagact tcgaacctgc gtcccgcgga ggggggttgcg 180
cttttcgaca cgtgctacga cctgtcgtct ctgcagagcg tgcgggtgcc gacggtg 237

<210> 28492
 <211> 82
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942594H1

<400> 28492

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 ncctgtgctg gctaacaact tg 82

<210> 28493
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942614H1

<400> 28493

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 cgaaggggca gtggtataca cgggtgcgga caacggcggt gcgtataata cagttacgga 120
 ttccgggtca agttcaggat ccggaggaga aacaatgctc gcagatgggt catatcttagc 180
 tggtttagcc atgggagact cccctgaaag aacagtttcc atcgcgtttg tttactctgc 240
 tagctttttg cttattctct tcttgcttta gctgcaccag cat 283

<210> 28494
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942616H1

<400> 28494

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 catcattgaa ggttgacgag gagaagaaca cagaagaagt tggtgagact ccaacaccag 180
 aaactgtggt cactgagcaa accaaggagg aaagtactga ggccccacga cctgcagctt 240

cagaagacaa gccctcggtt gaagttcaga ctaaagaggt ggcaga

286

<210> 28495
<211> 285
<212> DNA
<213> Glycine max

<223> . Clone ID: 700942618H1

<400> 28495

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ttggcaagtg tcggagcaga tcaacccgct gaagttgttt atgatgcccc agtgcattctg 120
aatccaggat catgttttga cactgaaaca cagtctatac tttcttgtga tggtttacat 180
cagcacacaa ggagactgtg cccctgtgca taatgttagc tgggtaagtc ttggttactt 240
ttgacattgt tgaattttgt gtacattatg tcaaacatca aaata 285

<210> 28496
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 700942623H1

<400> 28496

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atttcaggca acctacctgt tgctccaata gcaggacatg gtgtacctca gatgatgccc 120
tgtaggccag acattcctgc tgttaatagt tggagacca cttgaagttg atttgagtct 180
tcttattagt agtagtggtg ttgctggtgg atcaacatgc aagggttaaat tgtgtctcaa 240
agttagattc gcctgtgtag tacatacaac ttacccatga agaa 284

<210> 28497
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700942629H1

<400> 28497

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gggaaaggat gattagcatt ctgagccagg aacggcttct gggagcttcg ttgggagtgg 120
 tattaacggg ggtggttgtg tttgagcaac gcagatacat ctacgcttct atttccgatt 180
 cccaatctca gggttaaagaa cctatatattg ggaagaagtc gcgttctgaa ttttcacatt 240
 tatggaacaa aactgtggat cagacatttg gacctttgat 280

<210> 28498
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942654H1

<400> 28498

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 ggccgccttt tgcacagtca tcgtcgccat ttccctcgcc gctgagcgcc tccttcatta 120
 tggcggaaag tttctcaaag ccaaggacca gaagccgctc tacgaagctc tccagaagat 180
 caaagaagag ctgatgcttt tgggggttcat ttccctgctt ttgacgggta cacaaaacgg 240
 cattacaaaa atctgcgttc gaccctcttt gacgctccac 280

<210> 28499
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942668H1

<400> 28499

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 ctcagtttgc agagaaaatc tgaatcatgt cgtggcaagc gtatgtcgac gatcaccttc 120
 tgtgtgacat cgaaggtaac cacctcactc acgctgctat catcggccaa gacggcagcg 180
 tttgggctca gagtaccgac ttccctcagt tcaaacctga ggagataact gccatcatga 240
 atgactttaa tgagcctgga tcacttgctc caactgg 277

<210> 28500
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942670H1

<400> 28500

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tctattggta gcccatcgtc gttaaattttg aggcattcagt agatggggag ttttatttag 120
ggtagccctc tgtaaattac caataactaa tgcaatacca atatataat ccagattagg 180
aagaaatttc aaatcaattt gagtcgtgct ggtaaatacc aagggttgat cacacttcac 240
tttattgggg tgacacttgt ttggataatt tacaacg 277

<210> 28501

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700942672H1

<400> 28501

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atgaccatcg gcggtcaacc tgccggccgc atcgtgatgg agctctacgc cgacgtgact 120
ccgagcaccg ccgagaactt ccgcgcgctc tgcaccgcgc agaagggcgc cgggcggagc 180
ggcaagcccc tccactacaa aggcctgctc ttccaccgcg tgatcccgaa cttcatgtgc 240
cagggcggcg acttcaccgc cggaaacggc accggag 277

<210> 28502

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700942689H1

<400> 28502

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acaccagga tggtcatatc ctgagcttgg cttttctctt ggtctttctc gccttcggtg 120
ccgctcagaa tttgcagagc actctcaaca ctgaggatga cttgggtacc acctcacttg 180
ggatcctgta tttgtctttc acattcttct ccgtggttgc ttctttggtg gtgcgagttc 240
tcggctccaa gaacgctttg cttattggga cta 273

<210> 28503
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942701H1

<400> 28503

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 ctgggaagaa tcaccatctt ccaatgcttt ggttttttga ttcttctctg aggctttgtg 120
 ctattcctct atctgtggaa ccatgtggat cactgtgact aacaaggagg acaacagcag 180
 ctatggaatg ctgaaatata acaacctctc tgctctaaag tatatgggtt tagtcagtgc 240
 cctctgtgct tgctatgctc ttc 263

<210> 28504
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942733H1

<400> 28504

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 tctaaacttc ctccaacaaa agttgctaga gatgggtcca ttatggaatg ggcagaagat 120
 tttaaggacc caatgtacat catcgacatg ttccacatct gtttggactg tttccggggc 180
 acacaattag tgttgagaac actccagacc tctgtaaagc tgtggaagtt agtctaatta 240
 aaagaggaga tgacggtc 258

<210> 28505
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942734H1

<400> 28505

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 gggctctctg ttttctctcc caactctttc tccgtggccc ctggggaaaa gatcgtgttc 120

aagaacaacg cagtttcccc cacaacgttg tgttcgacga ggacgagatt cctagcggcg 180
 tggatgcagg gaaaatctcc atgagcgaag aagaccttct caatgcggct ggtgagactt 240
 acagcgttac tttgg 255

<210> 28506
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942740H1
 <400> 28506

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 ctcgctcttg tgcaggggtt tgatcttagg agtttgtttg agacgaggaa gcggtcgcca 180
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<223> Clone ID: 700942762H1

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 ccctgcaagg gaagcgttgt ggagatgtgt gctgatgagt atgtgcagaa gatgaccttt 180
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<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700942775H1

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 cctgtggggcg aggacatgtt ccattggcaa gcaaccatca ttgggtccaaa tgacagtccc 180
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<211> 262
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 <223> Clone ID: 700942779H1

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 tttctcgcct taaactacaa ccttagttct tcattattgt gattgtttcc ataatggagt 180
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 ctgggtctgt gaacacacac ttaatacctt gagatatgca gaccgagtta aaagtctatc 180
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 agggtcaaag aagcctcaag agaaattttc atgaccaagc cagcattgga ccctttgtcc 180

tactatgatt ttccaatggg tgttgcacag tctgggttta acttacctgt tagtcagtat 240
cagacaagcc tta 253

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<223> Clone ID: 700942795H1

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tgccaacata atgaaaatcc ttctggaagg gattcgtttg atgcagagga tgggtatggt 240
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<223> Clone ID: 700942839H1

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<210> 28516
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<223> Clone ID: 700942903H1

<400> 28516

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 tctttagtct ctaggtgccca tattgatcag atctaagtat ctttctgaca aacctctgca 180
 gggtttcatg tttgttatgg tacaagtcca gtactgaatt aatttatcaa cagctatgat 240
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<210> 28517
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942944H1

<400> 28517

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<210> 28518
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942945H1

<400> 28518

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 tgtcaaccaa gaccccatct tcaagcaata cagcttgccc caacatgagt gtggataccc 180
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<210> 28519
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943004H1

<400> 28519

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cattggccgc cactgccccca tcttcgccgt gaatcgcgag gtgttgatgc ccatacccaa 240
gccacgggt tacactggtg ctgatgctta taaaatattg ttt 283

<210> 28520
<211> 278
<212> DNA
<213> Glycine max
<223> Clone ID: 700943010H1
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aacataaaca acacaagagt gacacaagtg tttgaattgg ggtcagtgtc actgggagat 180
gcaaagggga agaactggac cctaggggtgc ttatacctca ttggacactg cttgtcgtgg 240
tctggttggc ttgtgttgca agcaccggtt ctcaagaa 278

<210> 28521
<211> 278
<212> DNA
<213> Glycine max
<223> Clone ID: 700943011H1
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gtaaatgata atgacatcca caacattggt ctgtcatatc ttatacataa ttgctacaaa 180
gaatcggtag aatcattcat tgcttgacg ggagcaaagc agccgacaga ttatttgag 240
gacatggata aaaggaaaag aatttttcac tttgcact 278

<210> 28522
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700943012H1

<400> 28522

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gggagatttt gggttggcaa agctgttgga ccacagggat tctcatgtga caacagcagt 180
gagaggcact gtggggcaca tagccctga gtatctctct acaggccaat cttctgagaa 240
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<210> 28523

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 700943017H1

<400> 28523

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tcctttctgg cactaaatac cagagagcct tctttatgga atccgaaacc tctaaattta 180
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<210> 28524

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700943018H1

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accgaatgga ggccaaaacc cttaaacaga aactttggtc atgttttgag tcaggttcct 180
gttccagcag aaagcacctg aatctcattg attgacatca atggaagagt ggcataattc 240
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<210> 28525
 <211> 278
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<223> Clone ID: 700943021H1

<400> 28525

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
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<210> 28526
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 <213> Glycine max

<223> Clone ID: 700943025H1

<400> 28526

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 agtgatgatg gagagtaccc tttaaagtgc accacctcag ggaaccaagt gaatgtaaca 180
 actgggggtg ttgatactac agtgtccaat actatctaca gtgataacca gcttgcagt 240
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<210> 28527
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943027H1

<400> 28527

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gcaaggctgg acatgcttat tttaaatgg tgtttagata ctttctaaat cctaagggca 180
 tgcaaattcc agtgtcacag aagctatfff ggcattggata ttgcgatgta aatgggtgtag 240
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<210> 28528
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 <213> Glycine max
 <223> Clone ID: 700943047H1
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 aagaaatcat tttgaaatgg aaaataatgt atatatatagat aattttgcacg tagcattagc 180
 acttcgagaa agatgcaatg gaataagttg gcacaatggg gtgtctttgt ggagcaagat 240
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<210> 28529
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 <223> Clone ID: 700943066H1
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 ggatgaatta ctccctctgg actcttgctg ttcagcatcc aaatcttaac aatgtcaccc 240
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<210> 28530
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<210> 28531

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943093H1

<400> 28531

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 aagttcgaat cttttccctg atggatgagc ctatcttaga tgccatttgt gagagactaa 180
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<210> 28532

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943095H1

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<223> Clone ID: 700943108H1

<400> 28533

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<210> 28534
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943113H1

<400> 28534

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 ggggatatt 249

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<223> Clone ID: 700943127H1

<400> 28535

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 aggctagtgc taacattcca aattgggact catcttcac ctcacatga tgatatccca 180

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<210> 28539
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<223> Clone ID: 700943156H1
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ccaaa 245

<210> 28540
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<212> DNA
<213> Glycine max
<223> Clone ID: 700943157H1
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<210> 28541
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<212> DNA
<213> Glycine max
<223> Clone ID: 700943164H1
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<210> 28542
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 <212> DNA
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<223> Clone ID: 700943178H1

<400> 28542

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 gatctctcct tttacaaggg aaaagtcctt ctgattgtca atgttgcttc tcaatgcggc 180
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 ct 242

<210> 28543
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 <212> DNA
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<223> Clone ID: 700943181H1

<400> 28543

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<210> 28544
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 <212> DNA
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<223> Clone ID: 700943186H1

<400> 28544

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 tttcaatcta aaggatcttg atttacattt tgagacatgg aggggtgtttg tttctggaca 180
 aattgctacc agtatcggtt ttttgcattc caagaagtgc ttgattggcg agttttcatc 240
 c 241

<210> 28545
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<223> Clone ID: 700943188H1

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 tatectagtc ctccccaga atattcaacc tgcttgggtg atctgtacag tgttgcttgg 180
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 g 241

<210> 28546
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 <212> DNA
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<223> Clone ID: 700943189H1

<400> 28546

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 aaaaaggatg aagaagacaa gcctcatcct caggaggagg tcatcgccac cgagtttcaa 180
 aaagtcactg tctcagacca aggagagaac aagcacagcc tcttagaaaa gtttcaccga 240
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<210> 28547
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<213> Glycine max

<223> Clone ID: 700943190H1

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 cggacgaaga ggggtgggtg tgggggcaga tcaaggcgga ggcgcgccgc gacgccgagt 180
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<210> 28548

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700943221H1

<400> 28548

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 taatgaggag caagagtgca tattgaagag caaggaagaa aggggagaag ataagggtct 180
 aaattgggaa gatgccaaaa agatgccaat aacttcaagg gtcattcagg agactctaag 240
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<210> 28549

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943231H1

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<210> 28550
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 <212> DNA
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<223> Clone ID: 700943301H1

<400> 28550

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<400> 28551

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 ctgacaaggg agttagccga ggacggatac tccggcgtgg aagttagggg tacgccgatg 180
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<223> Clone ID: 700943305H1

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gcaacaatct gtggcaccga cagcatccaa gtttccgttg agcttttggg aagccacggt 180
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gcgacataca catccattga taatttagaa agatccacaa aatctattgc tccagttcta 180
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<210> 28556

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943313H1

<400> 28556

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cgcgagacgg ccaggaattc ggtccccacg atgtcgaact cgacctttcc caaggaactc 180
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<223> Clone ID: 700943315H1

<400> 28557

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agataccaat gccatcaca atgctcgagg agatgtagcc agaccaata ccacaagccc 180
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<212> DNA

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<223> Clone ID: 700943328H1

<400> 28559

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 aatgggtttt tctgggctgg aaaacctgtt gttagtcaag tgaaagagtc tacgcattca 180
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 atactgcaaa cagaaggggt tgtactatcc cattgcaaag actctagcag agaaagcggg 180
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<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700943331H1

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ttcagtcctg gtacaactat gaaaccactg aacttggtca cgagaacaat aatggcactt 180
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<210> 28562
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ccagcgttta aaggttctgc tcccatcaat ctttcggatc gtctaaacca agtgcttcga 180
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aaagatctga ggtgtctttc aggagacagg gttcatcagg gcttggttgg gacgacaagt 180
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<223> Clone ID: 700943339H1
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<210> 28567
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<210> 28568
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 gaccatcacg atgctgggga agaaaccaag cttactcctc aagcttctga cagtttgaaa 180
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<210> 28569
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<223> Clone ID: 700943364H1

<400> 28569

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 agaagggaga aaaaggaata ggagatggca cagttagtta tggaatggat gatggtgatg 180
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<210> 28570
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<223> Clone ID: 700943374H1

<400> 28570

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 gaccatttac tttgccttgc catccccgcc tccacaccaa ccactcaaga tgtctctcct 180
 taagctgctg agcaatgatg gttgatatga tatgatatga tatcaggtca 230

<210> 28571
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<223> Clone ID: 700943377H1

<400> 28571

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<223> Clone ID: 700943379H1

<400> 28572

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<223> Clone ID: 700943381H1

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<223> Clone ID: 700943383H1

<400> 28575

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<210> 28576
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<223> Clone ID: 700943384H1

<400> 28576

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<400> 28579

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<223> Clone ID: 700943405H1

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<223> Clone ID: 700943433H1

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<213> Glycine max

<223> Clone ID: 700943450H1

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<210> 28586

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<212> DNA

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<223> Clone ID: 700943458H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 700943460H1

<400> 28587

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253

<210> 28588
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<212> DNA
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<223> Clone ID: 700943467H1

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<223> Clone ID: 700943475H1

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ttgagaagag ttgaacatgt tgatcattct cgcaaatacag ctgaacaggc tgtgaaggcc 240
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<210> 28594

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700943519H1

<400> 28594

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tcgagtttgg ctgcctaaact ctgatttccc tggctcttgc atggctcggg catttgagaa 180
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cgagaaggat gaatttgttg tgtta 265
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<210> 28595

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700943521H1

<400> 28595

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attcatgttt gattggtctt atcatgtacg tgttgaaatt atattttatg atgaatttaa 180
agggttggtt ttgtttcttt actatgcttg cttcttgaac acggctcctgt cgtttttggc 240
attgtaacct agtactagct t 261
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<210> 28596
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<223> Clone ID: 700943528H1

<400> 28596

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 ttgaccaatt tatacataaa aaatgctagc cttgaaaaag ctggagctac tgttaaagaa 180
 atggagaaca gaacctcgag gaaaactcga gttgcatatt cctctcttct tagcttgcac 240
 acaaacatgg ggaacaaaga tg 262

<210> 28597
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 <212> DNA
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<223> Clone ID: 700943531H1

<400> 28597

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 tgggcagtgg gtgtcaagtt tcgaggctgc tttagacaca gttaatgggt tctcattcca 180
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 tggcaatgaa gaattttgct tgact 265

<210> 28598
 <211> 258
 <212> DNA
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<223> Clone ID: 700943538H1

<400> 28598

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ttgcaggaat tctcgaagct ttttcagtag tatctggata aatccactcc ccatgccctc 180
 tacagatgga ttgggacttt cgtgattgca tccatctacg ttctgcgtgt tgtttatttg 240
 cagggggtttt acattgtc 258

<210> 28599
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943577H1

<400> 28599

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 ctccggacacg ggtggactcg ctcccggtct gggtttccct atcaatcttc ccaatggccg 180
 caatttcttt cacagatcca ctggccgctt gtccgatgga cgcctcgtca tcgacctact 240
 ctgccaaagt ttgaat 256

<210> 28600
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943579H1

<400> 28600

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 ttaaggctgc tcttgctgag ttcatctcaa tgctaattt tgtctttgca ggagaaggct 180
 ctggcatggc atataacaaa ctcacagaca atgggttcggc aacaccagct ggggtggtgg 240
 cagcatccct gtctcatgca 260

<210> 28601
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943590H1

<400> 28601

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 cactggcaaa accataaccc tagaggtcga aagctctgac accattgaca acgtcaaggc 180
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 gcaacttgag gacgg 255

<210> 28602

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700943592H1

<400> 28602

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 taaaggaagg agtaggaacc tttggtgatc ttactttcac ggacaattct agctggataa 180
 gaagcagaaa attccggctt ggggttaagg tggcttggtg ttattgtgag gagattcgta 240
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<210> 28603

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700943602H1

<400> 28603

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 tttggcgaac ttttcgttgt cttataatta ttttactaaa gtgggaccat tgtgtaagat 180
 gctgattcaa aggggtgttc ttgatgtgag gaagaactgc attttcgggc ttccggatca 240
 gagatcgggtg agggagtga tggcattctt tttg 274

<210> 28604

<211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943611H1

<400> 28604

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 aatcagtggg agtacttatg attatagcag tgacatctgg agtttgggta tggtagtgct 180
 tgagtgtgcc ataggacggg ttccttatat acagtccgaa gatcagcaaa gctggcctag 240
 tttttatgag cttctggcag caattgtgga aag 273

<210> 28605
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943618H1

<400> 28605

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 atcgacgctt acaccgaggc gattacgctg tgccctaattg ttccggttta ttggacgaat 180
 cgcgcgctgt gccatctcaa gcgcaatgat tgggagagag tagaggaaga ttctcggaag 240
 gcaattcagt tggacagcaa ttcagttaag gcc 273

<210> 28606
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943623H1

<400> 28606

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 tgatttctct gaagataagg gctctttagg gtttatggag ctattgggtg tgcaagacta 180

caatcatctc cttgatttcc ctctatcgtc acacgtgtca gtgcctcaaa cctctgcggt 240
 taaggaacca cctgagacta agaaagagtg ttc 273

<210> 28607
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943624H1

<400> 28607

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 cttggttgag aaaatgatgt gccgtaggac ggagttgtat agagagttga agcagcgtat 120
 cacacatctt cgacatttct gcgacacgca acaaaaacat cttcaagatc tcgaattgct 180
 caagtgttcc aaatctgaga ttcaattcga gcttgccctc aatcactttc agaatgtctg 240
 aagtgtattcc tccttagggg actttgtggt ggaccc 276

<210> 28608
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943626H1

<400> 28608

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 gttacagccg aagaaggcac agccttagcc ctaggggccg atatagagga'tgtgataggg 180
 atttgccaac aagtcttctg gttcgaaacc tcaacagaga ttgcaggcca gaagatctgc 240
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<210> 28609
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943627H1

<400> 28609

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 ctggaagatg aagcaagcaa ctcttttctt cttctcactc ttcctactcc tttcctccac 120
 caccatggcc atttcaccag cacctgcagc agcaccaaaa gccacagcaa aaactcctcc 180
 taccctcaaag gcaacagcac catcaccaaa accattagtt cccacaatac ctcagtctcc 240
 agactctcct gactcgggcc ccgacgacat cacc 274

<210> 28610
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943632H1

<400> 28610

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 ggctcagtgc ttgggagcca tatgtggagt tgggttggtt aaggccttcc aaaaggctta 120
 ctacaacagg tatggtggtg gggccaatga gctcagtga ggttacagca cgggtgttgg 180
 attgggtgct gagatcattg gaacctttgt tttggtttac actgtgttct ctgcaactga 240
 tccaagagg aatgctagag attctcatg 269

<210> 28611
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943637H1

<400> 28611

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 gtgtctcggt atttcgttgt gggatatatgt tctacttggg gctttaagga tgtatcacia 180
 cctgcctgtt gtgtaagtta tcttttttgg tctttaataa aagatatata ttaaattggt 240
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<210> 28612
 <211> 272
 <212> DNA

<213> Glycine max

<223> Clone ID: 700943639H1

<400> 28612

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 tgctctgagc aaccctgtgc tgacattggc cagtgcagc cccacagggt atcagataaa 180
 cgtgcagca tatggtaaca gtgtgaacat atcaactggg gtggtgaatg ccacactcac 240
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<210> 28613

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943650H1

<400> 28613

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 tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180
 acggcccaga ccgcgtcaag tacttggggc cattctctgg cgagcccccg tcctacctca 240
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<210> 28614

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943651H1

<400> 28614

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 gggttttgcca tttcaaagct gggaaagaac attcaagtac tttcaagttc ctttgtcaat 120
 aagcaagacc aatacactgt ggaaggagtg cagaatcttg gagacaaagc agtgatgtgt 180
 cataggctaa atttcagaac tgcagtatct tactgccatg aagtcggtga aacaacagct 240

ttcatgggttc cattggtggc tggatgatga

270

<210> 28615
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943663H1

<400> 28615

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gggtgctcat, ggtggtggc ccttctccg gaaggatccc accaagggtg ataggagtgg 120

tgcttacatt gtgagacagg ctgctaagag cattgtggca agtggactag ccagaagggtg 180

cattgtgcaa gtgtcttatg ccattggtgt gcccagacct ttgtctgtct ttgttgacac 240

ctatggcacc gggaagatcc atga 264

<210> 28616
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943669H1

<400> 28616

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tttcaaaaag aatagatgca tgaagtctgg tgacctctga tctgattccc tcttgatgct 120

aaacaacaga agagaacgaa actatcaatt atttatttca ttaagtaaaa agaattagt 180

gaaaatggga ggttgctggt gttctgccag aaaacctcat cagcaagggg caccagtata 240

ttactattgc ccaccaactt ttgaagag 268

<210> 28617
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943675H1

<400> 28617

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gattcaaagg gatgacacta catttgacgc atatgtggtt ggaaaagagg atgctcctgg 120
aattgttggtg attcaggagt ggtggggtgt ggattacgaa attaagaacc atgccgtgaa 180
gatttctcag cttggtagtg ggttttaaagc tcttattcca gatttataca gaggaaaggt 240
tggtctggat gttgctgaag ctcagc 266

<210> 28618
<211> 267
<212> DNA
<213> Glycine max
<223> Clone ID: 700943686H1
<400> 28618

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aacataccaa tattgcggca tctacgtaca actaccacca agaggatgga agcaattgaa 120
agagagatac gagattcaat tgagggtatc ataaaaaac gagagaaagc catggagaat 180
ggtgaaacct ctaatgaaga tttattaagc atacttttgg aatcaaatca caaggaaatc 240
cagggacatg gaaacagtag ggctggt 267

<210> 28619
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: 700943690H1
<400> 28619

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caaacatcac agctggtaat aaacagcaga ttcaggctgt gattgaggct aatctaattg 120
ctcctttggt caatctgctt caaaatgctg agtttgatat caagaaagaa gctgcttggg 180
ctatctcaaa tgctacatcc ggtggttctc atgaacaaat caagttccta gtaagtcaag 240
ggtgtatcaa acccttgtgt gatct 265

<210> 28620
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700943692H1

<400> 28620

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 atggctacac cggaccacct cttcaacctc cgcaacaact tctacctcgg cgcttaccaa 120
 gccgccatca acagcagcga cgttgccaac ctctcccaag aagataccct cgagcgcgac 180
 accctcgtcc accgctgcta catcgccctc ggccagctcc agttcgtcat ctccgagatc 240
 cacgacgatg ctcccacacc actcc 265

<210> 28621

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700943704H1

<400> 28621

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 gacaaggaag gcattcctcc ggatcagcag cgtttgattt tcgccggaaa gcagcttgaa 180
 gatggaagga ccctggccga ttacaacatc cagaaggaat caacccttca tctcgtcctc 240
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<210> 28622

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700943776H1

<400> 28622

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 aagtcaacta aacttgtgtc gtgctgcagt tactggtcaa aaccctccac caccagatga 180
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<210> 28623

<211> 271
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 <213> Glycine max

<223> Clone ID: 700943804H1

<400> 28623

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 tcatcagtc cttttatcta ttttgatag ccactaaat aaagctggga gattgcggtc 180
 ggtatacata aggactgaaa aagggtgttct tatagagggtt aagccctttg ttcgtattcc 240
 aagaacattc aaacgctttg ctggtgtcat g 271

<210> 28624
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943808H1

<400> 28624

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 ggcactgggt gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaaccaaac 180
 acagttgact ccttgtcttc cggcaattaa ttcaggttct gcaccttcga gtgcttggtg 240
 ccagaagctg aaggagcaaa agccatg 267

<210> 28625
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943810H1

<400> 28625

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gatttttttg ataaaaggga gtatacttta ttgcatactc ctttcttcat gagaaaagat 240
ataatgtcaa agtgtgtctca actagc 266

<210> 28626
<211> 212
<212> DNA
<213> Glycine max

<223> Clone ID: 700943814H1

<400> 28626

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cattttctat ccagcaattt gaatatttgc attcgccaac cagatggatc ctattcaagt 120
gatttggttg agagcccaaa gggcaatttg gatcagaagc tagagaaaga ttaaccattt 180
attagacata ttgttcttag cccacaataa at 212

<210> 28627
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943816H1

<400> 28627

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cttgacgac cacagttgag aagaccatga ctgttctct aactggtctc tctacaaaca 120
catcgacctc tccaaggtaa ctgctttgaa tgaggcaaat ccaggaagtg ttaagtcagt 180
tttcaaagct tgggaagagc gtctggattc ttctggggtt cacttggaaa gcaatgaggg 240
tgatcctgag ttacttgtct tcattcc 267

<210> 28628
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700943825H1

<400> 28628

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tacattttta gtttggcaaa tagatattgc aactaccttt gtataaatct atttctgaag 120
aagcaattac aactttcaag ggatgatagc attttgtggc ataaggatta aggaggcata 180
aaggaccaat tgctttggaa tattcactca tgacaaggca caaggtcatg cgtgtatgcc 240
aacacatagt aatgatgtgt gtttt 265

<210> 28629
<211> 206
<212> DNA
<213> Glycine max
<223> Clone ID: 700943862H1
<400> 28629

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accatcctac gacgtcgctt caggagaaga tcccagggtc tgcaagcacg ttcgcgacaa 120
cgtccatggc aacattttatc tcgattccct cagtttgaag ttcattgaca ctgagcagtt 180
tcagaggctt cgcgagttga aacaac 206

<210> 28630
<211> 177
<212> DNA
<213> Glycine max
<223> Clone ID: 700943867H1
<400> 28630

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cgttgccaga aaagggttaag cttttgcaag cagtgtatgaa agctgggtcct ttgcttcaga 120
cactgcttct tgcaggacca cttcctcaat ggagacaccc tccacccctt cttgagt 177

<210> 28631
<211> 176
<212> DNA
<213> Glycine max
<223> Clone ID: 700943870H1
<400> 28631

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acaactcaac caactgaagc agcaggagta gtgatctctt catcctctct tcatcaagac 120
atgatccatg ctagtaataa taatttccca ttgaagaaag agcaacaagg ttgcat 176

<210> 28632
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700943901H1

<400> 28632

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aacaagccag tcccttcaag catttggtgt ggcaggatca aagctcattc accagcaaca 120
aggtgtttgt gttggcaagg ctgcaccaca tatagaacta aagataagtg cagatgcttc 180
tggtcacatt gggagaattc taactagagg accacatata atgctaaggt attgggacca 240
aactctcaca a 251

<210> 28633
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943905H1

<400> 28633

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caatacaatt aagtattatt caaagtccca accatgtcac caacaaacac ttttgcaatt 120
ttggtcttct tctgctgtgc catttccttt accttcgctt ctgaccctga cacacttcaa 180
gacctttgtg tggcacttcc ctcttcaggt gtgaaggtga atggatttgc ttgcaaggct 240
gagtca 246

<210> 28634
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943908H1

<400> 28634

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 tgatctatct tttgctgatt tgagcaagga aattgctcta ctaattatgg atgaagatga 180
 agatccactt gcttcttggt ctcctgactc ttttcaggct ttttctgggg caattcatcc 240
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<210> 28635
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943919H1

<400> 28635

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 gggccaccac atgggccccca tgggtcagat gggcccaatg gttcagagag gtccaatgaa 180
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 attacc 246

<210> 28636
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943983H1

<400> 28636

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 tatggactgg taaatttggg ttacaaagc taccccaaga tgagataaac aaatataaga 180
 aattttatcg catgatgata tttcaaggga cctcagtgtt acagaagcct gttcctgaa 239

<210> 28637
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 <212> DNA
 <213> Glycine max

<211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944018H1

<400> 28640

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 tatcatattg gatgatgaag ttgtcaagga cattgatccc agaacatgga caatgcatgg 180
 gtttgcattg aagcccatct ctccatcttc aagttccact gaattatcag tagccgaaaa 240
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<210> 28641
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944019H1

<400> 28641

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 gccgaagctt gccaaaggaga agaaacctaa ggctccgaag gaaaagaagc cgaaacaggc 180
 caaaactgct tctcatcctc catatctcca gatgattaag gacgctttga ttgctctgaa 240
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<210> 28642
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944021H1

<400> 28642

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 aaatgttaaa ggcttgttct tgtggatc 149

<210> 28643
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944028H1

<400> 28643

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 gggagggtca gcatgaggaa gaccgtcacc aagcaggcct cctccggaag cccatggtac 180
 ggcccagacc gcgtcaagta cttggggcca ttctctggcg agcccccgtc ctacctcact 240
 ggcgagttcc caggtgacta 260

<210> 28644
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944037H1

<400> 28644

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 atgtgaagct gaaggactct aagacccttc tcttcggtga gaagccccgtc accgtttttg 180
 gattcaggaa ccctgaggaa attccatggg gtgagggttg tgctgattat gttgttgagt 240
 caactggcgt attcactga 259

<210> 28645
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944045H1

<400> 28645

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gcaaattgtgc ttcattggagt cattttattta gacgatagtg atacaatgta aatgggaaaa 180
attgtccgct tcaagtcaag cgttttgttt tttccccact atacaatggg tgtgcgttta 240
tgtttaaaaag tcttaca 257

<210> 28646
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944051H1

<400> 28646

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aacacagtcc gtgcttcagc aacactccca agttatcagg caacagcaac cacaacagac 120
ttcgatcatt catcaacaac aaacaccgat gactcaacag tcaatattac ctcaacaaca 180
acaaaacaac aacaattagt taagagagtt gagtaagatc agaatggcag acttgatgaa 240
aagaatcctc caaatgattg aggc 264

<210> 28647
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700944059H1

<400> 28647

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ttatcactcc tattaataccc gggttcacgcc attgcccgat tgggagggta cagggccccc 180
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ttgttagaag ttctcac 257

<210> 28648
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700944060H1

<400> 28648
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 agaaaatgag agtagtagta gggtcagtgt ggctgtgcct ctttctgttg gctgtcgggg 180
 agtcggaggg agcggatttg gcggcgaagt gcaacctgct gggttcagaaa gtgctgccgt 240
 gcctgaactt cgcgacg 257

<210> 28649
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944065H1

<400> 28649
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 gactgaggct gttaaagtta aagatgctga ggcagaggca tatatatctg aaattgagac 120
 tatttgtcaa gcatatgaag atatgcagac acagaaccaa aatctgttga accaggtgat 180
 cgagagggat gactataata ttaagcttgt atcagatagt gtgaagacaa aacaggcgca 240
 caacacttta atgtcccaga agca 264

<210> 28650
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944066H1

<400> 28650
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 ctgcgctcct caaattcgac aaagtactg attttgctgg aagtacgaat ttcatacataa 180
 ttgctgcatt gaccctgggtc atcaaagcct cctgggtattt tcgacagata atcctcactt 240
 tgtttgttgg gacatgggga ct 262

<210> 28651

<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944068H1

<400> 28651

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acctctgggg cagatgttgt tggtgttgga ataaacatta caaccaagt ccaattcaca 120
gatgctgac tccttgatct gaaggaatcc aaaggaaagt atgctccctt cttgagtgc 180
atatgcaa at tctataggga ctttcatgta aaatctgacc gtgtccatgg aattttcctc 240
catgatcctg tcagttttg 259

<210> 28652
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 700944070H1

<400> 28652

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ttacaatttc tcttataatt atttatacag aaactagttt ttgctgcaca ataaaattag 120
tttatgcata aattaaaata agtattttat ac 152

<210> 28653
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700944072H1

<400> 28653

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gcatctggta tggcagtcca tgatgactgc aagttaaggt ttttggagct gaagacaaag 120
aggacacacc gtttcatagt ttttaagatt gaggagcagc agaagcaggt cattgtggag 180
aagcttggtg agccagccca aggctatgaa gatttcactg ccagccttcc tgctgatgag 240
tgccgttatg ctgttta 257

<210> 28654
 <211> 255
 <212> DNA
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 <223> Clone ID: 700944075H1

 <400> 28654

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 gccactgcat tgctgcagaa agccgcccaa atgggtgcag ctgcaacaaa tgctctcttt 180
 cttcgtgggt taggcattgt atcatcttct gcatcaacgt catcagttca gcaagataat 240
 ttgcaatggg gccat 255

<210> 28655
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944078H1

 <400> 28655

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 cccatacttt ctccaaatca acccaaaaaa gatgaaaagg attttaacta tgcaaagcaa 180
 gcagttattc taggaggatc tatggaatcc agcaacagac ttgtgcagcc tcttaagaga 240
 atcttaccga agcccgga 257

<210> 28656
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700944082H1

 <400> 28656

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agataatctt atacagaaga ttatccgaag tgagttcaaa gaatgcactg tttgcaccat 180
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 agttgcagag ttcaacactc ct 262

<210> 28657
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 <212> DNA
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<223> Clone ID: 700944083H1

<400> 28657

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 ggcctaagta tcttcaagca caggatgcta tagactatgg aattgctgac aaaataattg 180
 attccagttc aagggatgtt gcatttgaga agaggaatta tgatgaaatg cttgctcaat 240
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<210> 28658
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944087H1

<400> 28658

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 aactgcaaa tgtccactcg cctgctggat ataccattgt cgttggtgcca agatccttga 180
 ctttcacgaa aattggggaa aagaagaaat tccaagttat tgtgcaggca agcagtgtaa 240
 ctacgcggag aaagtatc 258

<210> 28659
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944091H1

<400> 28659

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gtcagtggag taccatattc agtctcaagc ctctaatacca caagtagctt acttgtcaat 180
atcaatgccca cctctatgcc atggagtcac acaaaatgaa ctttcttctt acaccattga 240
aatggtaaag ggtct 255

<210> 28660

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944122H1

<400> 28660

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ttttttcttt tcccttttct ttactctgta ttgtatcaat gcttgaaaat ggggttggtc 180
caaaaatgtc atatatatatt ggcttgctaa tgggtattgt aaatctctga acttgaagtg 240
atgcacgggt t 251

<210> 28661

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944123H1

<400> 28661

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attgaacttc aaacatttga tatgcccatt gcttgctgga aatcttcaat aattcttctg 180
tactttacac tttttttcac tttctttatc acaggttccg ctgttgaact tttgtgcac 240
ctcaattggt t 251

<210> 28662

<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700944126H1

<400> 28662

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ttaagtcttc tgatatgtgt actactatta ctgcagacag aaggggttcc tgtgggaatc 180
acttttgttg aaaatgcagt ggcaaaagg gctgtttgtt tggatgggag tcttccagct 240
taccacttcc 250

<210> 28663
<211> 249
<212> DNA
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<223> Clone ID: 700944154H1

<400> 28663

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aaaatgacac attgtccaaa agggtagccg gatttgggtgc cacaataaac ttgtcttatg 120
gggatcaaac ttgtgggtcag ggatcagata atgaggccat gaacaacatc atttcacact 180
atctttatta tcttgatctc ttgggtgttg gcagagaaga ggcagggcct aatgaagttc 240
tctcctgtg 249

<210> 28664
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700944159H1

<400> 28664

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tctactcttg tcttgcgaga gaaagccatg ccagagacga agatttttgg catgctgttt 120
ggccaaacac tccattcca agttcattgc gagatcttct aaagcctggc cctgcaagtg 180

ttgaaatcga tgatcaccct atgcaaattg aagaaacaca gtacccgaaa accttcttct 240
ataaagaa 248

<210> 28665
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944218H1

<400> 28665

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gttgctatga ataatgaaaa agagaacctt ctaactaggg gtaattcttc ggctccaag 120
atagggccca atgccacaat ggaaggctat ggattcaagg ttcgagacct tggaaaattt 180
ttgcgtcttg cttgggctca agaacaaggt tacttggaag agttttgctg tgccaatgtg 240
aaaaattgct gtggacaaa 259

<210> 28666
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700944223H1

<400> 28666

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ttgccgaggt tggagaattt cacgtactct tataactact tctgcagtga gtcaccaacg 180
tgtctcaagt tgaaggataa ggatgatacc aagaattgta ttccttatag gccattgcaa 240
aggtcactgg atgagt 256

<210> 28667
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700944226H1

<400> 28667

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tccgggaaag tccgcggaga cgtcggaggc cgcggcgttg gcggtggcga acgaccagct 180
cttgctctac agaggattga agaaggccaa gaaggaaaga ggttgacagg cgaaagagcg 240
catcagcaaa atg 253

<210> 28668
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700944251H1

<400> 28668

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ttgcagttgt tgcttaaagg agttagttag cgaggtgtta aaagagtccg tgtccatatt 120
cttacagatg gccgtgatgt tttggatggc tcaagtgtgg ggtttgtgga aacccttgaa 180
aatgatcttg caaacttgcg cgcaaaaggt gtcgatgcta ggatagcatc aggtggaggt 240
cgtatgaatg tcac 254

<210> 28669
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700944276H1

<400> 28669

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acaacatgca aagaacaaca tcagatctta tagtcaagct aggaaattgt cctctgcatc 180
ctctgctgcg gtttccaaca aggtcaagag aaccaaagaa gagcatatgg ggaaagtcac 240
cgaat 245

<210> 28670
<211> 246
<212> DNA

<213> Glycine max

<223> Clone ID: 700944287H1

<400> 28670

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tcgactactt gggcaaccca agcctgatcc acgcccagag catcctcgcc atctgggcca 180
cacaagttat cctaattgggt gccgttgaag gttaccgtat tgetggtggc cccctcggtg 240
aggtca 246

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<210> 28671

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700944351H1

<400> 28671

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cctgtggctg aggacatgtt tcaactggca gccacaatca tgggacctgc tgatagccca 180
tatgcagggt gtgttttctt agtttcaatt cattttctc ctgactatcc cttcaagcca 240
ccaaagggtg cttttcgga 259

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<210> 28672

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944374H1

<400> 28672

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tgactggaac acgcggatga aaatagctgc tggggcagca aagggattgg aatatctaca 180
tgacaaagct aatcctcctg tcatataccg agacttaaag tgctccaaca ttttgcttgg 240

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tgaagg

246

<210> 28673
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700944381H1

<400> 28673

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gaaagccttt tcaatctacg gcgacatcgt tgaatcgaag gttatcaacg accgtgagac 180
tggaagggtcc agaggattcg gattttgtgac cttcgctca gagcagtcaa tgaaagatgc 240
gatcgagga atg 253

<210> 28674
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944411H1

<400> 28674

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tggcaaggga gtcatatgac cccttgtgga tcaaaggagg tggtcactgc aacttagagc 180
tttaccgccga ttacatccgc catctttgca aatttatcca agaaatggag agcatgacaa 240
ctgagaagcg cctcaaaaag attc 264

<210> 28675
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944412H1

<400> 28675

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gaagatagga gagctagact gcaggctcag tttgctcaaa tgcgacctgt tggaatgccca 120
ccatctgtcg gtccctgtgt gccaatgtat cccccagggtg gtccagggtat tgggtcaacaa 180
atatTTTTatg cccaaggccc tcctgctatc attccttccc agcctggatt tgggtatcaa 240
caacaacttg ttcctgggtat gagg 264

<210> 28676
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 700944418H1

<400> 28676

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agttttattgt gtct 74

<210> 28677
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700944427H1

<400> 28677

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agggtgcagaa attgatgagc gtgtggacct tgatgaggaa aattatatgg aagagatgga 180
tgatgatggt gaagaacaaa tagacgatga tggagtggat ggagttgaag aagaaaatgc 240
tgaaggtagt tttgaagaag atga 264

<210> 28678
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700944433H1

<400> 28678

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 agggatttta aaagattgca acaagatcct cctgctggca tcagtggggc tccccaagac 180
 aataatatta tgctttggaa tgctgttata tttggcccag atgacacccc ttgggatgga 240
 ggtacgttta agttgacact tcagtttaca ga 272

<210> 28679
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944455H1

<400> 28679

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 gttcaaaggg catcaacata atgaccacag ctccaattat gccacccaaa ccaaagtgct 180
 ttcccagtcg gggtcagggt taggccccct caccacaaaa actcaaacac aatgcggttg 240
 cccccaaca catctcagta ccac 264

<210> 28680
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944465H1

<400> 28680

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 acctgttttg cctgtccagc tttctcctaa aaaggctctt cgtgctgcta tgcttaaaag 180
 ccgctttgca gataccatct tgaaagcaca gcaaaagacc cttcttgatc atgggtgataa 240
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<210> 28681
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944482H1

<400> 28681

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 gtctgcttcg ccacacccca cttgttcatt cccactatgc ttccattcgt ctcagctcaa 180
 ctctcacttc ccccaaactt ttcgtcagcg gtctttctag actgacaaaa gatgaaaacc 240
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<210> 28682

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700944483H1

<400> 28682

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 gaatcaagat atttccactt tgtcgttccc tatgaatttt attttttttt gcatcaaattc 180
 aaaaaaagt taaatgataa gaacttcttg ctgtggcgac agcaaataca gtcagcgatc 240
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<210> 28683

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944484H1

<400> 28683

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 actatacacc aatgtttgtc ttagcggcca ttatcatcac tgctgtgatt ggtctaataag 180
 attatcaatc tgcatacaaa ttatggaagg ttgacaaact tgatttcttg gcctgtttgt 240
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0953443-03200

<210> 28684
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944489H1

<400> 28684

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tgaagaaggt tattggtca agggccccca acacaaagat ttcctctgga agcttcaaga 180
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ggaagggctc tgcctatga 259

<210> 28685
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700944491H1

<400> 28685

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gagatgatga tgccctttaa attgttctcg cttctggagt ccggggaagt agatagtggg 180
aattaagtgc caccaccctg ccgccaacta ctactctaga agatatctta tcatatttgt 240
actcaaatta atatataa 258

<210> 28686
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700944492H1

<400> 28686

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ccagtgcagc attttggttag agcagacatg ctgccaaagc ggtatttggat aagaccctgc 120

gaaggagggg gatccattat tcatattgtc gatcatatgg ttctagagcc ctggagtgtg 180
 cctgaagttt tgcgccact gtatgagtca tcaatgctgc tagctcaaag gacaactatg 240
 gcggccttac gtcatttga 259

<210> 28687
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944496H1
 <400> 28687

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 gacaaatatt gttgagcaat tttggtttca tttatttgag ccaatactgt attttaagat 120
 ctgtgtgccg aatttttttc cttgtttttg taccatcagg ctagccaaat ggtactatgc 180
 taataatttt aagtttcttt tcc 203

<210> 28688
 <211> 273
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 <213> Glycine max
 <223> Clone ID: 700944507H1
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 cgttgccggc ggttttatatg ccattctttc atcctcaacc tctgctagct ctgagatgga 180
 agtgccgttt ggcagcgcac ggcgtgagag caaagaacgt gacgatggtg gctccgggtc 240
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<210> 28689
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700944510H1
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 aaagttgagg acaatgtgga tgggaactcc ccaaatagaa aactatctca ttgttcattc 180
 tgtgggcatc caggcagcaa aaaagatcat atgaaatttc cctgtgaata ttgtgtcaca 240
 aaggatgatg aaggttgccca gagaaaacca gag 273

<210> 28690
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944531H1

<400> 28690

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 ggaaagagga gggtccgccg gtggagaagg tagaggagga gccggccccg gatatgaatg 180
 aaatcaaggc actgccacca ccagagaatt atatcccacc tctccgcct gagccagagc 240
 ctaagccgca gccacaggtt acggaggat 269

<210> 28691
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944544H1

<400> 28691

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 gaggtggcaa ggacaagcac catgatgaat ctgacaaagg aattttttca cagcttgctc 180
 atggggtagc tgggtgcagca catggtggac atgggtaccc acctgggggt taccaccac 240
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<210> 28692
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<213> Glycine max

<223> Clone ID: 700944545H1

<400> 28692

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tggtttgccca gcaatgggta aggtgggaag agtgagttgc tccatggagg aaaagccttc 180
ttctgtgaag gaaagcagct caagcatgtt ggggatgggg gcatctttga tggcagcggc 240
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<210> 28693

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944613H1

<400> 28693

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gtcctgtttt ctaccgttga ggcttctttc tatcagctaa gctaagcagt ccaaagggca 120
caacacaaca gagaaagaaa agagtaagag tatgggaggc tcatggtcac ggcagctcac 180
atgtgccctc ttgtactct tctccgccgt agtcaccgcc actgaccaca ttgtgggtgc 240
gaatcgtggc tggaac 256

<210> 28694

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700944621H1

<400> 28694

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ggatgaagag gtcaattact tcccttcaag gtatgatcct gtccgtcatg cggaaaaggc 180
ccccgttcct cctcgatatcc taggtgggaa gcgtgaaaag tgcattgattg agaaggagaa 240

caacttcaag caacctg

257

<210> 28695
<211> 256
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<223> Clone ID: 700944635H1

<400> 28695

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acttgggcaa tcgatcactc gccgtcttgc ccatggagat aagaaggctg ttgctcgccg 180
atgttttgcc tcagaagctg agctgaaaaa gacagtgttt catgacttcc atgttgctca 240
tggtgggaag atggtt 256

<210> 28696
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<212> DNA
<213> Glycine max

<223> Clone ID: 700944636H1

<400> 28696

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agaaaagaga atagatcgtg gtacaaagggt tcaagggttg ctgtttctat tctggatgat 120
acatttgctt cacacatgca acagcttcta ggaaatgcat tgcattgagaa agacctggag 180
ccacctagat ccatcatgga agttcgttcc atgctatgca aggatgctcc caatcacaaa 240
gacaacacat ttact 256

<210> 28697
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<212> DNA
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<223> Clone ID: 700944682H1

<400> 28697

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 tacctacagt tgatacagag gatagtgttc cgggagtttt gtatgatttg ctgcagaaag 180
 aggtcttagc cttgaggaaa gctgggtcatg agaaagatca aagcctaaaa gataaagatg 240
 atgccattga a 251

<210> 28698
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<223> Clone ID: 700944691H1

<400> 28698

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 gtaaagtgcc cccttatttg ttgggtccgat gttaaggga acatctgaga ggctacagat 180
 tcaactgcgc gattccattc tctttccctc ttctcatatc tttttaaagg tttcagtttt 240
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<210> 28699
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 <212> DNA
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<223> Clone ID: 700944723H1

<400> 28699

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 tctttcgttt agttttttca tcttttttagc tttagagggt aatacattct ttaaaaaaat 180
 ggagggttttg gtgggtcccg ctttcaccat cgacgttcct tcgtctccgc cgcgggatgg 240
 cggttccgaa aatc 254

<210> 28700
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944760H1

<400> 28700

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 caaggcttcg tgaaagacgt tggagtcgct gttgtggcca ctgccgcgag tgcagtgctg 180
 gctagcaacg ccatggccat tgaagtgttg ctgggtggtg atgacggggtc tctggctttc 240
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<210> 28701

<211> 162

<212> DNA

<213> Glycine max

<223> Clone ID: 700944775H1

<400> 28701

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<210> 28702

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700944803H1

<400> 28702

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 gttctgaaaa atgaaaaggc tgacgtgtac cggctacctt atttggcaag cagtggacct 180
 ggatttgctc tacttgaagc tgcaagaaaa gctaacttca aagggtacttt cagtgaata 240
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<210> 28703

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944805H1

<400> 28703

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 cagcgccttc agagtcgtcg ccgcttccgt ttccgtctcc aacccaacg tgcaaaccgg 180
 ccccgacgat ctggttgctt ccattctctc aaaggtggtg caaacggatg gaggagtatt 240
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<210> 28704

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700944811H1

<400> 28704

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 agaacggggtt gtaggaactg gatcatttgg aattgttttc caggcaaaat gcttggaaac 180
 tggggaagca gtggctatta aaaaggtttt acaggacaga agatacaaga atcgcgaaact 240
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<210> 28705

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700944816H1

<400> 28705

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 tgctgctgag gatgagttct tcaggttgac taccaaggaa ggaaagttga ctgtggagag 180
 ggatgttggtg aggactaaaa ccacgattt ttgcgaatt ttgcagttcg aacaagacct 240

273

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cagatagaaa	gatcactgcc	ttgaaagaat	tgcaggggtca	tatgtggcgc	actgggttatg	240
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caggctctgc	ctgttgcttt	gatgattcat	gataactcgt	cggatcgcac	ggcctttgtg	60
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ccatggtggt	gacgggtgac	ggagaattag	ggttcgattc	cggagaggga	gcctgagaaa	180
cggctaccac	atccaaggaa	ggcagcaggc	gcgcaaatta	cccaatcctg	acacggggag	240
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<223> Clone ID: 700944836H1

<400> 28711

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 gagatcaaga tgggtggagaa cactcctgat gacccacgac aaagaaaacc agacatcaca 180
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<210> 28712

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700944868H1

<400> 28712

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 ataattgggt tttgagatga agaactgcga gttgtgcaag cttccggctc ggactttctg 180
 cgagtcggac caggctagct tatgctggga ctgcgacgcc aaggttcatg gagccaactt 240
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<210> 28713

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944880H1

<400> 28713

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 attcaactag ccagaattgt gtggactcct ctacatcaaa agagtttggt ttgttttctg 180
 taaagttaaa gcaggagat gctcaggtca ctgactacaa accaaatgat gagcttgctg 240
 ctattgttgt caaatcagct a 261

002220"CTT2560

<210> 28714
 <211> 260
 <212> DNA
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<223> Clone ID: 700944881H1

<400> 28714

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 atcaatggat tgctgggtaa tattgatgca aacactgggtg atcctcaagt tggttgggac 180
 actgatcagt ttcttgtaga tattcaagag gcgacactga ttatgctcag tgtgatcaga 240
 aatggaggac ttgcacccgg 260

<210> 28715
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944901H1

<400> 28715

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 gccacctgggt tctttgattg ctctttctca taaggagaag gaaatcacia atgctttgga 180
 aggagctgggt acacaaccaa cagagtctga agttgcttat gaagtttcct tgatgtctca 240
 gacaaatatg tatagaccag gtattgatg 269

<210> 28716
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944914H1

<400> 28716

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 tggcagaaca aaacaaaaac caaacaactg aagctggaag gcaccaagag gttggtcaca 120

agagccttct ccagagtgat gctctttacc agtatattct ggagacaagt gtctacccaa 180
 gagaacctga atccatgaaa gaactgagag agttgacagc aaaacaccca tggaacatca 240
 tgacaacctc tgcag 255

<210> 28717
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944920H1

<400> 28717

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 gaagccaaat ggatgtgacc ttcctgtgtt caacccttc cagtttcttg agataatgag 180
 gggaaaatcc atggcatttg ttggagactc agttggcaga aatcaaattgc agtccatgat 240
 ttgcctctta tcaaggggtg 259

<210> 28718
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944922H1

<400> 28718

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 gaggacctag aatgggtttc acactttgtg gacgattcac tcccggagct gtcacttcta 180
 taccgggttc gttcggagga agcaaaccgg tttgttgaac cggaaccctc agcgaagaaa 240
 acgccttggt ttccgtgg 258

<210> 28719
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944957H1

<400> 28719

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 ttctgggtcg tcgtgaatct atcttgtggt tgagagatta agacaaaact ttttgctttg 180
 caaatggctg ctgcaactgc tgcaactgct tcttgatgc gattcaaagg cggcaaggaa 240
 aggaagctaa ccaaga 256

<210> 28720

<211> 89

<212> DNA

<213> Glycine max

<223> Clone ID: 700944959H1

<400> 28720

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<210> 28721

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944986H1

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 tatccgaggt tgtcgggtca atgccactca cctccctgaa gcgaccaacg ctctttgttg 240
 atgttctttc tg 252

<210> 28722

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: 700944988H1

<400> 28722

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<210> 28723

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700945015H1

<400> 28723

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aatcagcgag ttggaacatt ttgtgtttgg tggagatgcc tattcggagc ttggtagaag 120
tggagccacc aagcccactg agatacttat cggcgccgcc gttatgatga tcggagtgtg 180
gttaccagtc ggttacatga tgttccgtaa caagcgcgtc cctcctctt cctcctactc 240
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<210> 28724

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700945016H1

<400> 28724

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gatccgcaaa tcttcagcgg agctctgcac cttcctcggc atccctcgcc aatctcgttc 120
cgaaatcgct ctcatctctt ccaagttctc aaactctata atttcaagag tcccggcatt 180
aagaaggaca agatttggga gcagaatttg cagacactgt tgcgtggcag aaacaatgtt 240
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<210> 28725

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700945047H1

<400> 28725

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ttagtactaa gaacagctga gattaatgat gtgagttttt ttact 105

<210> 28726

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945101H1

<400> 28726

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atttcactgt gatttcataa tagattttca ctcatcttac ttgactccaa gcattctata 120
tatctagtgc ctacgcgcatc tctaccctca aatcttcacc acacaacact acctcaatta 180
ctcaactaaa gcttcattca ttcacgtgtgt cgtgttggtgt tctttgcaac catgcttctt 240
agaacagcgt cctctttt 257

<210> 28727

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700945111H1

<400> 28727

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tgaaggcttt gtggaagcat aatgtctatg gactgactcc aaatattgca tctgttcacc 120
atttactgag tatgctaaga accacaatga tactaaactg ttggtggaag taatgaagct 180
tctgaagaag aatgatttac cactgcaacc aggacagca gatataattt ttagcatttg 240
ttataataca g 251

<210> 28728

<211> 50

<212> DNA

<213> Glycine max

<223> Clone ID: 700945117H1

<400> 28728

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<210> 28729

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700945138H1

<400> 28729

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ttatatcaaa gaacatagcc atgagtatag atttctgtta ttcaatcttg aattggaagt 120

gggtgtcctca aggctactat catttcttgt cactatagt tagatttatt tcaaaagcat 180

tgcacagatc atgggttttt gtgggtgaag atttctgcac ctgtcaatga ttatgggata 240

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<210> 28730

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700945150H1

<400> 28730

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aaaggcgaag gggaaggctt caggggtttg aaaaagggtg atattgaagc catggttctt 120

gactcattct gacttctcct cgtctcaagt ctccatcttt caggaggcag ttacaaaagg 180

atgaactggg tagttggtcc acaacttttc agaggcatcg cttcctctta tctgctcttg 240

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<210> 28731

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945172H1

<400> 28731

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 agaggatctg cattggcaat aggtgttttg ccatatgagt tattagccag tcaatggaga 180
 aatgtgcttt tgaagctttg tggctcttgt aaaattgagg aaaaccctga agacagagat 240
 gctgaa 246

<210> 28732
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945174H1

<400> 28732

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 aagtgatcta ttttttgctg atttgagcaa ggaaattgct ctactaatta tggatgaaga 180
 tgaagatecca cttgcttctt gtctctctga ctctcttcag gctttttctg gggcaattca 240
 tcct 244

<210> 28733
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945175H1

<400> 28733

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 tttatgttcc ttgttttttc atttaaaaaat taatactagt tatagttttc 110

<210> 28734
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945184H1

<400> 28734

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 tcaaacatcc ttcaagaccc tggtatgaga caggatttga ttgatttcca agaaaatccc 180
 aaggctgcac aggaacacac gaagaatcca atggtgatga acaagatcca aaagctggtc 240
 agtgc 245

<210> 28735
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945191H1

<400> 28735

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 tctccgtttc tcgccaaaca aaaaacaaaa aaatggctgc cttcagcggg gacgaaaccg 120
 ctcccttctt tggcttcctc ggagccgcgc ctgccctcgt tttttcctgt atgggcgcgcg 180
 cgtacggcac cgcgaagagc ggcgtcgggg ttgcgtcgat gggcgtgatg aggccggagc 240
 tggt 244

<210> 28736
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945193H1

<400> 28736

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 cagaactcca aagatgtgtt gatatacagc agctctatgg cctgcggaga tgactgtatt 120
 tcgatacaaa ctggatgctc gaacatatat gtacacaatg tcaactgtgg accagggcat 180
 ggaatcagca ttggaagtct aggaaaggat aacaccagag cctgtgtctc caacattact 240
 gt 242

<210> 28737
 <211> 245
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945195H1

<400> 28737

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 aagcgcgagg cctggctcac ctatctcacc ctcgtccccg tcgtcaccgg cgtcgtcatt 120
 gccgcggggg tgagccgagc ttccatttat ttgggttcat agtatgcatt gcagctactg 180
 ccgcacgtgc cttaaaatcc gtgttacaag gaattttgct ttcttctgaa ggagagaagt 240
 tgaat 245

<210> 28738

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945235H1

<400> 28738

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 aatggaactt ctccaagttc cttgttgata aagagggaaa tgtggttgat cgctatgcac 120
 ccacaacttc tcctctgagc attgagaagg acttgctgaa gttgttggat gcatgaatga 180
 agctatgaat gactggagct gccataaat gaattgtgat tagaatataa attatgaata 240
 agaaatgtat tgcagatgct gct 263

<210> 28739

<211> 110

<212> DNA

<213> Glycine max

<223> Clone ID: 700945237H1

<400> 28739

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<210> 28740

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700945239H1

<400> 28740

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 tccccctagc cgatcatcat cacacgcgtt tgttgccatg gcaaccttca cgactctgtt 120
 gttgtgcacg gcggcggcga aggagagcgt gtacgagata ctccccaagt acgggctccc 180
 gagtggctctg ttaccggata ccgtcaccga ctacaaactc gacgaggatg gccaatctcg 240
 cgtcgttttg ccgaagccct gc 262

<210> 28741

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700945249H1

<400> 28741

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 tgagcttctc aagaaaaaag cacgtgatgg tgtcagggtt ttgatgcttg tttgggatga 180
 tagaacttcg gttcctttgt taaaagaaga tggcttgatg gcaactcatg atgaagacac 240
 cgagaactac ttctacgaca 260

<210> 28742

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700945263H1

<400> 28742

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 caccagtata gtatgtatgt aaataatttg cacgatgtaa tgttatgaag gaggaaactg 120
 ctaagcacat gtttatgctt ttattctgta attctctatg ctagctagtc tagccacaaa 180
 tcattaccca ctggtatagt tattgcaagt aacctgaatg aaattaattt gagttctcac 240

<210> 28743
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945267H1

<400> 28743

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 aattaacagt gaccaggcaa atgtgcttaa tttgaatata ctatccagtga gaattattgtc 120
 tagtgctttt gactcaagcc tttatacttg tatgcatcta ttaaactccg ctgaaactct 180
 tgtagttgga actggaaatg gttctctgag gttctttgat gttgctcgag gtcaaaagct 240
 tcatatctgg agagg 255

<210> 28744
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945301H1

<400> 28744

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 gatcatacaa acaactgcta cattcataat ccagattttg catccatagt cattaggagg 120
 aaagagccca agctctacag aaatgggttc actcagagaa tacatgcatt tgaaaggagc 180
 ctttttgatg gaaatatgtc tgtttcagga aacttagata atgtacagaa tgaaaattta 240
 gtcagtgtac atgaagaagg taaaacaatg actgtatcaa cta 283

<210> 28745
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945310H1

<400> 28745

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cagatactag ctcggtttgc gaggaacgag ttcagcttgg actccaagtc caccatcggt 180
 gttgaatttc agacgaggac tttggttatc gatcacaaga ccgtaagggc tcagatctgg 240
 gacactgccg gccagaacg atacagagca 270

<210> 28746
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945323H1

<400> 28746

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 ggaaatttgg agcaaaagct tcaagtgtgc aaggaaatgc attaaagata gttgctaagc 180
 ctgaatttca ggctaagcta aaattcagac agagagcaaa agattcaagc ctggctaagc 240
 aagaactggg ggctgaggaa gagttctgt 269

<210> 28747
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945341H1

<400> 28747

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 aagatagaga gaataacagc acctctttct ctctgtctct ctcccctcgt tgatcccaaa 120
 tctactaggg attctcattc gatgcatc ggccggaagc tttcgttttg cggatttttt 180
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 ggatgccaaag ctcccccaaga aggt 264

<210> 28748
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945349H1

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 ccactgcgga tttcatctct ctacatatgc ctcttacggc tgctacatca aagataactca 120
 atgacgagac atttgccaag atgaagaaag gagttcgcat agtcaatggt gctcgtggag 180
 gggtcattga tgaggatgcg cttgttaggg cactggattc tggaattgta gctcaggcgg 240
 ctcttgatgt tttcactgag gagccacc 268

<210> 28749
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945371H1

<400> 28749
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 ggcactcttt gtacctgggt tatcagtgtc tcacaaagtt ggatcccatg ctttaccagc 180
 gacagattct gatgttgacc tgtcgtggca gcttactcta caaagagtgt gggaaaatct 240
 catgcaaggg aacaaaga 258

<210> 28750
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945387H1

<400> 28750
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 cgtcttccaa aatgaacgac gcagatgtct cgaagcaaat ccagcagatg gtgcgtttca 120
 tccgccagga agctgaggag aaagccaacg agatctctgt atctgccgaa gaggaattca 180
 atatcgagaa gctgcagttg gttgaagccg aaaagaagaa gatcaggcaa gaatacgaac 240
 gcaaagagcg ccaagt 256

<210> 28751

<211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945391H1

<400> 28751

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 gcataccat ctccatggcc aacaccaaac acctcacatt tactttcacc atcgttctca 120
 cgctcctctt ctcatcggc acagcaaat cccaacggc tttgggtgtc cagaaggaga 180
 agctcagcca ccttcacttc ttcttccacg acatagttag cggtcctaaag cccaccgcgg 240
 tgagagtggc cca 253

<210> 28752
 <211> 255
 <212> DNA
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<223> Clone ID: 700945393H1

<400> 28752

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 ataacagggg acgacggagg caagtctgag atacaaccta gaggactcaa cattgtgtgg 180
 ggaaatgatt ctcgatactg gaaaattcca gaacaaggtc ctgaggagct gatccaagtt 240
 tcatggttgg aggtta 255

<210> 28753
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945431H1

<400> 28753

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 aattcttgag cttaggtgga gtggggtcag tatagaagac tgggtggagaa atgaacagtt 120
 ctggggttatc ggtgggacat ctgcgcactc ctttctgttg ttccaggggc ttctaaaagt 180

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<210> 28754
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945446H1
 <400> 28754

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 tgccaacagg aaaaccagca cgcctcggtt gggcagaaag tttctgactt gttcaaaggg 120
 catcaacata atgaccacag ctccaattat gccacccaaa ccaaagtgtt ttcccagtca 180
 gggtcagggt taggccccctt caccacaaa actcaaacac aatgcgggtg cccccaaca 240
 catctcagta ccactcatgg ctcc 264

<210> 28755
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945508H1
 <400> 28755

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 tcacccccaa acgcttcttc gatcttcac agcttggaat taaggaagca attgagaagg 180
 agcgcgctcg actttagat gaaatgacta ggggatactt cgctgatatg gctgagttca 240
 aaaagcatgc tggtaagatt gctgtagcta ataaattg 278

<210> 28756
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945524H1
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 gttcgccatt gccgcccaga gaagaagaag cgtcgggaacc atgcacaaaa ttgaaggaac 180
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 cctgtttctt ctttctggtg aatcactgct aatggg 276

<210> 28757
 <211> 274
 <212> DNA
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<223> Clone ID: 700945526H1

<400> 28757

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 atttacctcg gaccctactg atgtatttta caaatgtgaa attatctcaa gaagggattt 180
 ttcactcagt tgtttgcaat gtgccagaat ttaagaacac gacagtaaatt ggtgacttac 240
 gatatatgat ctgggacaat cctccaaaga tgga 274

<210> 28758
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945529H1

<400> 28758

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 gactccccca ccacaaagaa cccaaggagt ttgtctcgtt ggaccaactt gctgaatttg 180
 gagtccttag ctggaaacta gatgctgata accatgaaaa tgatccagag ctgaagaaga 240
 ttcgtgaaga gcgtgggttac acctacatgg atggt 275

<210> 28759
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700945544H1

<400> 28759

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aatgtagaag 130

<210> 28760

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700945553H1

<400> 28760

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gttgagctct tctgatccca gatccgaagc ttgatgtact gtttctttaa tcatagttag 120
atccaagtt 129

<210> 28761

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945557H1

<400> 28761

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aatggaggaa cgtcctgatt tagtttctat tggatcttgt gttttacttg tgcttcttca 180
cggtaatgat ttgtatacac ttaatctagg tgacagcaga gcagtattgg caacatgcgg 240
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<210> 28762

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945559H1

<400> 28762

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ctctctcttc atcattattg gctggccaag ctatcaagct tgccccctcc acccctcagc 120
ttggtgttgg tagggtttagc atgaggaaaa cagcctccaa gactgtttct tctggaagcc 180
catggtacgg cccagaccgt gtcaagtact tgggcccatt ctctggtgag ccccatcct 240
acctcactgg tgaattccca ggtgactatg 270

<210> 28763

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945575H1

<400> 28763

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acggtaagta tggcggacaa ggctgttaca atccgaaccc gaaagttcat gaccaacagg 120
cttctttcca ggaagcagtt tgtcgttgat gttcttcac cagggagggc aaatgtttcc 180
aaggctgaac ttaaggagaa gctagctagg atgtatgatg tgaaagaccc taatactgta 240
tttgtcttca aattccgaac acatttt 267

<210> 28764

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945593H1

<400> 28764

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caggaagctg aggaaaaagc caatgagatc tctgtctccg ccgaagagga attcaatata 120
gagaagctgc agttagtcca agccgagaag aagaagacca ggcaagagta cgaacgcaaa 180
gaacgccaaag tcgaaattcg caagaagatt gagtactcaa tgcagctgaa tgcttctcgg 240
atcaaagttc ttcaagctca agatgacgt 269

<210> 28765
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945594H1

<400> 28765

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 tggggatcag ttcacaaagg acgacatcaa agtgtatggt gctgttttgg agaagccagg 180
 tgactctttt cccaatgctg ccaagtggta cgaggttgct tcatctcagc ttgctgcaag 240
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<210> 28766
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945658H1

<400> 28766

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 tgctccgcca cgttcgtgtg ccaactccaag ccgctccaaa actgcagcca tggcgtgcca 120
 tgtcatcaca cggcgacgat catctctcca aagaggaggt cgtcgaaaga gtcctcgccg 180
 tcgtcaaaga tttccccaaa gtcgatcctt ccagggtggt ccagatgtac atttccagaa 240
 ggatttggtt ttggatagct tgg 263

<210> 28767
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945674H1

<400> 28767

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 ctgtggttgc ggaagcgcct gcaagtgcgg caacggctgc ggaggctgca agatgtaccc 120

agacttgagc tacaccgagt caaccaccac cgagaccttg gtcattgggag tggcaccagt 180
 taaggctcaa ttcgagagtg ctgaaatggg tgtcccgtg agaacgatgg ctgcaaagt 240
 ggagctaact gcacctgc 258

<210> 28768
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945716H1

<400> 28768

catcactgaa ctaacaaagc aacctatgt cgaagggtgt ttgtgtcacc ggagccagcg 60
 gcgccatcgg atcatgggtg gtctactcc tctccagcg tggttacacc gtccatgcca 120
 ccgtccaaga tatcaaggat gaaaatgaga cgaaacattt ggaggaaatg gaaggagcaa 180
 agagtcattt ccattttttt gaaatggatc ttcttgacat cgactccatt gccgctgcca 240
 taaagggttg ttccggcgta atc 263

<210> 28769
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945943H1

<400> 28769

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 gattctgtgg gaaaagcttc tcaatctttg acgaagataa acaacaatgt cttcacttgc 120
 ggctgctaga gcagacaact ttactatcc ccagaatgg gaaccgaatc agggttcgct 180
 gaacaagttt catggtcaac atgccttgcg agagagggcg agaaaattag atcagggtat 240
 cctgattata 250

<210> 28770
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945973H1

<400> 28770
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aaccgtttac ttgcgatgaa ttacatagat gaaggaaatg atgacaaact ttttgaggct 120
cacagggact ggggtaggcg atttatgaga ctatattcac agttcacatc atgggacaac 180
tcaaaagatc ctgaacggcc tcttgtgata ggatatgtct ctctgatta ttttacacat 240
tctgtg 246

<210> 28771
<211> 63
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945981H1

<400> 28771
ggaacacacg cagttgcatt tgcnttacca ttcgcaatgg cgaatntnnc tncactttca 60
nga 63

<210> 28772
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700946095H1

<400> 28772
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ctttttatatt caatttgga ttgactcata tgacaagtat gtatagtggg ggttacactg 120
ctctagttac aaacttatcc ccaagagcaa cagaggatga tgtgcgcaat tttttcacat 180
actgtggttt gattgagcat attgaaatat taagatctgg tgaaaatgcg cctactgcat 240
atgtgactta ccggga 256

<210> 28773
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700946104H1

002200 005413 02200

<400> 28773

ctggagtgaa gcacattgtg ttagtaggggt ctatgggtgg aacggacctt aaccatcctt 60
tgaacagctt gggtaatggg aatatattgg tttggaaaag gaaggctgag caatatctgg 120
ctgattccgg catcccatat acaattataa gggctgggtg cttgcaagac aaagatggag 180
gtcttcggga actacttgta gggaaggatg atgagcttct ccagactgaa accagaacca 240
taagtagatc tgatgttgca gaagtc 266

<210> 28774

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946134H1

<400> 28774

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ccattaagat gacttcatac ggtaccacaa ttttggcaca cttgtttggc cttcttgctc 120
tcacctctct gcttgtttgg ttgctgaatt atcgcgaggg cattgaatat gattctgaaa 180
atccacttgc tgttttcaat gttcaccctt ttatgatgtt ctttggaattc attttcctta 240
ttggtcaagc aatactgtca t 261

<210> 28775

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700946153H1

<400> 28775

ggcccagttc cattagttct gtcttgcgga tcacgatcct cagttactag aaaatcagat 60
atctctttcc attggaccta atgacctata gggctacatt gggattgtac aaatttaaat 120
cttatcatcc ttcatcttcc caatatgtac taccacaaac atgaaatgat catcaacaaa 180
gacacatgta ttccaatcaa tcaattacaa tacaaaagat aaaagtaaaa ccgtgtctgt 240
ggccgcaaag taaaa 255

<210> 28776
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946230H1

<400> 28776

ctcagaaaca ggctctcccc gtctctcttt ctcccatgat ctctctgaac tacaagtttt 60
 accaatgaaa caagggtgttc cttgtagtga cacactgttg catgactcaa attctgactt 120
 tgagttcagc acaagcacct gccttgagtt cgaatcatct tcagcagatg aactcttctc 180
 taatggggtg atccttccaa ttcagatgca agacaaaacc acagctagaa aactcactca 240
 tcatgtgaaa tctctcaca caaaac 266

<210> 28777
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946236H1

<400> 28777

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 catgttgaga aactagcaga agaaataaag aaaggggctt cctctgtgga aggtgttgag 180
 gccaaattat ggcaggtacc tgagacgctg caggatgagg tgctcggtaa gatgagtgca 240
 ccaccaaga gcgatgtacc agtcattac 269

<210> 28778
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946246H1

<400> 28778

cttggtgcta ggaagatttc cctaggaggg ttacctccca tgggatgctt gccacttgaa 60
 agaaccacaa atattgttgg tgggaatgac tgtgttgcca gatacaataa catagcattg 120
 gagttcaatg ataagctcaa gaatttgacc attaagctaa accaagagct ccctggactc 180

aaaaatagag catccacttg atatactttg gatttttgag tttgatttgt tttgttttgc 60
 attcactctc atctgtaagt tgtatatatt ctagcttttt acaggctcta caattgagtg 120
 atttgggttc caaggtc 137

<210> 28782
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946265H1
 <400> 28782

cgtactttat gatcaagtgt ctggggacct taaaactgat tcagcaaag gaagtattgt 60
 atttgggtgt ggtgcaagac aatctggaga tctaagttct tcgaatgaag aggcacttgg 120
 tggaatactt ggatttggaa aagctaattc atcaatgatt tcacaacttg cttcttctgg 180
 caaagtgaaa aagatgtttg ctcattgctt aaatggagta aatggaggtg gtatatttgc 240
 tattgggcat gttgtgcaac ctaaagtaa 269

<210> 28783
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946271H1
 <400> 28783

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 cggagtgata ttctcaccgg agacactggg gtcaaaatca accacacttt ccacctacct 120
 caaactcgct cacctcctct gcttctccac cgccttcggc gccgctctgt gggtaacatt 180
 catcggcggc atcatcatgt ttaaaaatct gccgcggcat cagtttggga acctgcaaag 240
 caagatgttt ccggcgtatt tctcg 265

<210> 28784
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946280H1

<400> 28784
aagacacact cgttcatata tctctctgct cttctcttct cttctacctc tcaagttttt 60
gaagtataaa gatggcagag acattcctat tcacctcgga gtcagtgaac gagggacacc 120
ctgataagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctc gaacaggacc 180
cagacagcaa ggttgccctgc gaaacatgca ccaagaccaa cttgggtcatg gtcttcggag 240
agatcaccac caaggccaac gttg 264

<210> 28785
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700946287H1

<400> 28785
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gatecccttca tccatatacg ttcaccgcaa cttctcttcc atccatcgca agatctagtt 120
gaatctcaac cgcgctcctc cgattcgaag ctccactcac tcaaactctc ttcagatctg 180
ggggggtttga ttgcgattct cactctgctg ctccgatttg ttcgtctgag atgtcgtatt 240
taccgaaagg cgattcgggtt caa 263

<210> 28786
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700946292H1

<400> 28786
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acaacaacga gttggcaatc tacgtcttgc agcctgatga acttaccgag gactctgaca 120
gctggaaaat agcagtccag aattattggt cactcatgtc acctttaata ttttctgac 180
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tagacatgaa tgctcattt 259

<210> 28787
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946293H1

<400> 28787

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 caattacctc ggcggcgtcc tcctctacct cctctccggc ctctgtggt gcttctacat 120
 ttattattgg aagcgcaacg tttatgttcc caaagatgct attccctctc gaagagccat 180
 gctcttgcaa atatctgttg ctatgaaagc catgccttgg tacactttgc ttccaactgt 240
 ttcggtgtac ctggtagaa 259

<210> 28788
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946302H1

<400> 28788

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 tggagtcatt tcaactgctga ggggtgatgtt gagttcaagg cagtcctgtt tgtaccacct 120
 aaggcacctc aagatttatt gagagctatt ataacgcaaa caaatcgaac ctgaagttgt 180
 atgttagacg tgtgttcatt tcagatgaat ttaatgaact gttgcccaag tacctaaact 240
 ttttgctggg tcttggtg 258

<210> 28789
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946319H1

<400> 28789

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 gccttctcct tcaaaagcag ctcaaagatc tttgcaaaaa ccccgtcgac ggcttctctg 120
 ccggtttggt cgatgaacca acattttcga atggagtgtc accataattg gaccgcccga 180

tactctttac gagggggatt tttcaatgct attatgagtt tcccatccaa ttacccaaat 240
 agtccacctt cagtt 255

<210> 28790
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946322H1

<400> 28790

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 catgagtatc gcctcaacat ccttaacgcc tctcagagcc atgttcccat ggaaaattgg 120
 gttctatgtc gcatattttg aagaagagaa gcggtgctaa aaatggggag gagagcaaca 180
 aggtgaggaa ctctaaggtg gttttctatg acttcctagc gcagaacaag actgattcct 240
 catcctcggc cgcca 255

<210> 28791
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946325H1

<400> 28791

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 tcatgaaagg aggaaagtcc aagaccgaat ctaagagagc cgatcccaaa cttgctgtga 120
 ataagaaggg agccgcacca aggctaggaa acccgccggc aaggggaagg cagcgaaaga 180
 ccctaacaag ccaaagaggc ctccaagtgc tttcttcgtt ttcatggagg agttcaggaa 240
 ggtattcaac aaaga 255

<210> 28792
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946326H1

<400> 28792

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 cttttcgcca tgcaactagc cagtgcctca gtactcccta tggttctcaa atcagctctt 120
 gagcttgatc tgttggaatc atagccaagg ctggccctgg tgttcacctt tccccctccg 180
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 tgcgcctctt ggctt 255

<210> 28793
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946328H1

<400> 28793

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 ctatactatg ccattccgtg gtctcagga aactcggcc ttcttggtgc tgctgagatc 120
 aggcttatac ccgttaagag tacatgaagc taacctataa acctgttggt ggcaccctgc 180
 aagatcttgc tcaggcatat tgtgattctt ttgctcccag agatggagac caggataatg 240
 aggagaaggt tccag 255

<210> 28794
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946329H1

<400> 28794

agccgcctcg gctaggggtc ggaaacgaag aagggttctg ttttcttttc gcgatgaggg 60
 ccaagtggaa gaagaagcgt atgaggaggc tgaagaggaa gcgccgaaag atgagacaga 120
 gatccaagta gtgcgttaac ctagtgtgtt tccgttgctt ttacaattgc ttatgttgtc 180
 aaataggaca ccagttgtt agtggcactg gtctctcctt tttgatgttt tgatacattt 240
 tgttggattt tatttc 256

<210> 28795
 <211> 253

<212> DNA
 <213> Glycine max

<223> Clone ID: 700946340H1

<400> 28795

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 tatgtcacct gtgcagtctg gttggataaa cttagtgact tacctgtaaa ggatgttgcc 120
 gattcaatta aaagttggcg acagatactg cccagttctt accacaccaa gacaagaacc 180
 aaggaaaagg tgctcatcct catatgtcaa catggaaggc tgatattggg ggtgaatcag 240
 cagatggttt att 253

<210> 28796
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946341H1

<400> 28796

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 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagcat gaggagaccg tcaccaagca ggctcctcc ggaagcccat ggtacggccc 180
 agaccgctc aagtacttgg gccattctc tggcgagccc ccgtcctacc tcaactggcga 240
 gttcccaggt gac 253

<210> 28797
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946342H1

<400> 28797

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 agagcgtgag aagaatgttg aggaagcaat tgaggctctg cagtttcttg agaatgagat 120
 aaaggacaag aagtctttgg aggagaggag attgggttgg tagatattgc tgctgtctac 180
 atagcatttt ggggccctat ggttcaagaa attgcagggt tggagttatt cacaagtgag 240

aaatttccta agc

253

<210> 28798
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700946343H1

<400> 28798

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gtgaatactc cgcgaaggat taccatgacc cacctccggc gccgttgatc gaccagatg 120
agctcactaa gtggtcttgt acagagccgc catagctgag ttcatagcaa cactcctttt 180
cctttacatc accgtgttga ccattattgg ctacaagaga cagagtgaca ccaaaatccc 240
cggtaacacc gagt 254

<210> 28799
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700946345H1

<400> 28799

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cgtcgctttc gaatccaatg gccttcaaca acgcactgag atctgccgcg aagtcgtcgc 120
ttcttccgaa tcttcttctc taactcagtg agcagagggtt ttcattcaac tggcatgaag 180
aggatgggag gtggacatgg tcatgatgag ccctactatc ttcatgcaaa gcacatgtac 240
aacttggaaca agat 254

<210> 28800
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700946349H1

<400> 28800

caaggagggtg attttacaca tggcaatggt atgggtggag aatcaattta tggagagaag 60

tttgctgatg agaacttcaa gttaaagcat actggaccag gacttctatc aatggcaaat 120
gctggctcctg acacaatggc tcacaatttt tcattacaac cgtgacaact agctggttgg 180
acggaaggca tgttggtttt ggtagagttc tttctggatt ggatgttggt tacaatattg 240
aagctgaagg aa 252

<210> 28801
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700946353H1
<400> 28801

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ttttcaaggg tctctatgaa agcctttttg gttcaaaata gatttgatga tgtgggtgtga 120
gacttagtat ttcaagaatt atgtgtttgt taaaggcttc tatgaaagcc tcaactgcttc 180
aaaatagatt catgtatgtg agactcagaa tctctgggga aaattgtgtg tgggtgtggac 240
tacttgtttt g 251

<210> 28802
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700946354H1
<400> 28802

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atcgtctcttc gcaatcgacg gcgttactcg cgttttcttt ggatctgatt tcgttacggt 120
tacgaaatcg gagaggctgc gtgggaattc ctcaagcctg aagtcttcgc cgccattatg 180
gatttctact cctccgctca gcctctcttt ttagattctc aagccgccgc ggccatggat 240
acagctattc a 251

<210> 28803
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700946355H1

<400> 28803

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ctcatggatc tagagccagg gaccatggac agcgtcagat ctggtcctta cggtcagatt 120
ttccgacctg atacttcgtc ttcggccagt ccggcgccgg aaacaactgg gccaaaggtc 180
actacaccga aggcgctgag ttgattgact ctgttctcga tgttgtcagg aaggaggcag 240
aaaactgtga 250

<210> 28804

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700946360H1

<400> 28804

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gacgtgaaaa tcctgggtgaa catgaggcta tgcgtaaaat gaagaatgaa ttcattggta 120
attgggatgg tttagaacaa aagataaaga gcgtatactt gttcttgctg ctacaaatag 180
accttttgat cttgatgagg ctgttattag gagacttcca cgaagattga tgggttaattt 240
gccagatgct c 251

<210> 28805

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700946364H1

<400> 28805

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atcttaccct tctccgtctc gacctcatct ctggcctcac cattgccagc ctcgccattc 120
ctcaggaat cagtatgcca agcttgccaa cttgccacct attcttgat tatattcgag 180
ttttgttccc ccattgatat actcgctgct tggaagttct agacatcttg gtgttgacc 240
tgtttccatt gcgt 254

<210> 28806
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946371H1

<400> 28806

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 ccctctctca atctcctttc caaatggcca gcgttgaggt tgcacagcaa acaccaacaa 120
 cagttccaga aatgaaacaa ccgaggtaag caagaccag gaaacaaccc cagtcactga 180
 ggctcctgca acagaacaac cagcagctga ggctcctgca acagaacaac cagccgctga 240
 ggctcctgcc 250

<210> 28807
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946372H1

<400> 28807

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 agggatcaaa aacacacatg ggaggcacca tgcgccttgg atctaggagg acatatttcc 120
 agaccaagga atcaaactctg caaaattata tggctgcaaa agcttcattg atgagagaca 180
 tcggcataga tatgaggtga atccggattt agtagcctgc cttgaaaatg ctggtctttc 240
 ttttactgg 249

<210> 28808
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946374H1

<400> 28808

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 cacttttagct caatcaccag ctgcagcccc caaagcccca gcaaaacctg caccttcaaa 120

acctgctcct gcacaccggc tccagcgccc gcaaaaccat tagtcccttc attaccccag 180
 tcaccctctt caggtgttga ttcttctggc agccaagaca ttgtgaagat cctaaggaag 240
 gccaaagtcac t 251

<210> 28809
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946375H1
 <400> 28809

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 cacctaccgc aaacgccaca gctatgctac caaatccaac cagcacagag tcgtcaagac 120
 tcccgggtggc aacttgttta tcagaccacg aagaagaggg ccagcggacc caagtgcctt 180
 gtcactggaa agaggattca agggattcca catttaaggc cagcagagta taatagatca 240
 aggttacaca g 251

<210> 28810
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946378H1
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 ccaagcctga tcacgcccag agcctcctcg ccctctgggc cacacaagtt atcctaattg 180
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 <212> DNA
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 <223> Clone ID: 700946387H1

<400> . 28811

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<210> 28812

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700946388H1

<400> 28812

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 caaccccgct atgaagacat catagggcat attccagccg ctactaagga agatgttgac 180
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<210> 28813

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700946389H1

<400> 28813

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 taatttctta cattcttttc tttcttggca tttctctttt cctcattgct tgacaatatt 180
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<210> 28814
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946393H1

<400> 28814

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 gagtccccct ttaggaaacg aggacatgat aaggcccttc aagctgccct ttcaacagga 180
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<210> 28815
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946412H1

<400> 28815

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 tgctggtgaa tgtgggaaat ctaccacccc agataatgag gcttataagc ttgcaccatg 180
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<210> 28816
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946413H1

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 agcagtagtg ggtggggaaa gaggtgggtg gtgacagagg tgctttgtgg gattttaccg 180
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<210> 28817
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<223> Clone ID: 700946414H1

<400> 28817

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 tctcatgttg ccagaagctt ctgctacaaa gtttactggt ggaaacaacc agttttggaa 180
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<210> 28818
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 <213> Glycine max

<223> Clone ID: 700946444H1

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 ccctgcgct tttccaaatt ttttcagtcc aacatgagaa tcttggttac tggaggagct 180
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<210> 28819
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946447H1

<400> 28819

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 atctcaaggg gattggagtc aatagggatg ttaagctcgc ctgtaagtgc tttgttttcg 180
 ccgctaacca tggccaacca aaggccttct accagctcgc taagattttc catac 235

<210> 28820
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946464H1

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 tacagggtga aagccaggac ctcaaaaat tcagggtatt ggggctgggt ttgtgccag 180
 gaatttgat caagatgtgc ttgatgaagt tatagcgata tcaagtgatg aagca 235

<210> 28821
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 <213> Glycine max

<223> Clone ID: 700946476H1

<400> 28821

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 tattccccag gttttggaca tggttactga tccacattat ctgtatcgga tgacaatctt 180
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<210> 28822
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946477H1

<400> 28822

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 ccaaactagt atcgcttccc attttcgatc tcaactctcag aagactgaag atttggcttc 180
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<210> 28823
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<223> Clone ID: 700946479H1

<400> 28823

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 cttagttcca aggaatatga agattgggtg tctggtaagt cagatatgca agagagtagg 180
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<210> 28824
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 <212> DNA
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<223> Clone ID: 700946488H1

<400> 28824

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 ccagcgcctg gaattagtgc gtcócccttcg gaggacaata tgcggtatatt caatgtgatg 180
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 <212> DNA
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<223> Clone ID: 700946491H1

<400> 28825

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 gcaaggaact gggcataact gctcttcata tcaagctccg tgctactggt ggaaacaaga 180
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<210> 28826
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941104H1

<400> 28826

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ggaggtaaag aagattgtta ctactttgaa tgaggctaaa gtccctggag aagatgtcgt 180
agaagttggt gtgagccctc cttttgtggt ccttcctggt gtaaaaagtt tgctgcgctc 240
tgatttccat g 251

<210> 28827
<211> 249
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<213> Glycine max

<223> Clone ID: 700941174H1

<400> 28827

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ggaggtaaag aagattgtta ctactttgaa tgaggctaaa gtccctggag aagatgtcgt 180
agaagttggt gtgagccctc cttttgtggt ccttcctggt gtaaaaagtt tgctgcgccc 240
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<210> 28828
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<212> DNA
<213> Glycine max

<223> Clone ID: 700890283H1

<400> 28828

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actttgaatg aggctaaagt cccgggggaa gatgtcgtag aagttgttgt gagccctcct 180
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<210> 28829
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 <212> DNA
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<223> Clone ID: 700892544H1

<400> 28829

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 agaagttgtt gtgagccctc cttttgtgtt ctttctgtt gtaaaaagtt tgctgcgcc 240
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<210> 28830
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700893935H1

<400> 28830

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<210> 28831
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 <212> DNA
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<223> Clone ID: 700945665H1

<400> 28831

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 aaatgcaatg ggaccactga ggaggtgaag aagattgtta ctactttaaa tgaagctaaa 180
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 <223> Clone ID: 700893711H1
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 <213> Glycine max
 <223> Clone ID: 700943855H1
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 tcatgttaag gattataagt actaagagag aggtgtgaga ttggttcttt tggaatggaa 180
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 gaaaaggaaa gaaattctcc a 261

<210> 28834
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 <213> Glycine max
 <223> Clone ID: 700941053H1
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ttcttcaata tctcagtggg gtcctcctct ttgaggaaac cctctaccag agcacagctg 240
caggcaag 248

<210> 28835
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700889170H1

<400> 28835

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catcagtgtg gagaatgttg aatccaacag gcgtgctctt agggagctgc ttttcaccgc 240
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<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700894957H1

<400> 28836

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tcccctcagg tggttgccga gcacactgtc agagcccttc agagaaccgt gcctgctgca 180
gttctgctg tcgttttctt gtctgggtggc cagagtgagg aggaggcatc cgtcaacctc 240
aacgccatta acc 253

<210> 28837
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<212> DNA
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<223> Clone ID: 700808315H1

<400> 28837

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ctcaggtggt tgcgagcaca ctgtcagagc ctttcagaga accgtgcctg ctgcagttcc 180
tgctgtcgtt ttcttgtctg gtggccagag tgaggaggag gcatccgtca acctcaacgc 240
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<210> 28838

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700894146H1

<400> 28838

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cctggaaagg gtattcttgc tgctgatgag tcaacaggga caattggcaa gcgtttggcc 180
agcatcagtg tagagaacat tgaatccaac aggcgagctc ttagggagct gcttttctact 240
gctcctg 247

<210> 28839

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942532H1

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tcctggaaag ggtattcttg ctgctgatga gtcaacaggg acaattggca agcgtttggc 180
cagcatcagt gtagagaaca ttcaatccaa caggcgagct tagggagctg ctttttctact 240
ct 242

<210> 28840
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 <212> DNA
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<223> Clone ID: 700890349H1

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 agcgtttggc cagcatcagt gtagagaatg ttgaatccaa caggcgtgct cttaggga 238

<210> 28841
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 <213> Glycine max

<223> Clone ID: 700889072H1

<400> 28841

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 aagtattatt gtggtttgac tcttcccaga ataatcgttt ggaattttgc tt 232

<210> 28842
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889668H1

<400> 28842

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<210> 28843
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 <212> DNA
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<223> Clone ID: 700890647H1

<400> 28843

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 ctggac 246

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942978H1

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 gatcttttga ttgagggt 259

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 <212> DNA
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<223> Clone ID: 700944280H1

<400> 28845

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gtgcgccgtc atcgggatcg ggtcctggct ggtgcagtgg ttctctgtgt cgcgcgtcaa 180
gctcactc 188

<210> 28846
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<212> DNA
<213> Glycine max

<223> Clone ID: 700891764H1

<400> 28846

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gagatagtcg tgccagtgtg cgcgcgtcatc gggatcgtgt tctcgtggtg gcagtgggtc 180
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<212> DNA
<213> Glycine max

<223> Clone ID: 700895231H1

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gtcacggaga actgttgctg ctcacccctg gcacgactta gagattgggc caggagctcc 180
agcagttttc aactgtgtgg ttgaaattgg caaaggaata acgtaagtat gagctggcag 240
acaagtgga 249

<210> 28848
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
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 aaggccgaga tgaagaagat gtacggcctg atcgagacca aagtgttgaa cgggcaactc 180
 agantgantt cagtatagag taaccgatct aggaacggag ag 222

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 <212> DNA
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<223> Clone ID: 700893784H1

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<210> 28850
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944438H1

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 gccttgatat cacgcctcgt attctcatta ttactcgtct tcgccctgat gcagtaggaa 180
 ctacctgtgg ccaacgtcta gagaccgtat atgatactga atattgtgac attctccgag 240
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<223> Clone ID: 700945733H1

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 tctagttatt ggaaattaca ctgatggaaa tttggttagca tctaataatgg ctagaaaact 180
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<210> 28852

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700891996H1

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 aagggaatcc tgcaacatca tcaagtgggt gcagagtttg aagaaatccc tgaggagagc 180
 agaaagaaac tccaagatgg tgtcttttga gaagttttga gatccacaca ggaagccata 240
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<210> 28853

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700945706H1

<400> 28853

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 gccgagcgtg tcctcgagat gatccagctt ctctggacc ttcttgaggc acctgaccct 180
 tgcaccctcg aatcattcct tggaagagtc cctatggtct tcaatgttgt taccctttct 240
 ccccatggtt actttgcccc agata 265

<210> 28854
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889102H1

<400> 28854

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 aaatcgaaga actcctttac agctcagtgg agaatgaaga acacatatgt gtgctgaagg 120
 accgcagcaa gccaaattatc ttcgccatgg caagggttga tcgagtgaag aacatcacag 180
 gacttggtga gtggtacggt aagaacgcga agctgaggga gctggtgaac cttgtggttg 240
 ttgctggaga caggaggaag gagtcaaagg acttggaa 278

<210> 28855
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890311H1

<400> 28855

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 atcgagacct acaagttgaa cggccaattc agatggattt catcgagat gaaccgtgtg 180
 aggaatggag agctctaccg cgtgatctgc gacaccaggg gtgctttcgt gcagcctgct 240
 gtatacagg cttttggttt ga 262

<210> 28856
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700892212H1

<400> 28856

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 gatcgagacc tacaagttga acggccaatt cagatggatt tcatcgaga tgaaccgtgt 180

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gaggaatgga gagctctacc gcgtgatctg cgacaccagg ggtgctttcg tgcagcctgc 240
tgtatacgag gcttttggtt tga 263

<210> 28857
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700943424H1

<400> 28857

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cactgttgga cagtacgaat ctcacacagc cttcaccctt cctggactct accgcgttgt 180
gcatgggtatt gatgtctttg atccaaaatt caacattgtc tcccctggag ctgatcaaac 240
catttacttc ccca 255

<210> 28858
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700889648H1

<400> 28858

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gccacatgca atggtggtcc tgctgagatc attgtgcacg gcaagtctgg cctccacatt 180
gacgcttacc atggtgaccg tgctgctgat ctcttgttg acttctttga gaagtgcacg 240
cttgacccaa ctcac 255

<210> 28859
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945690H1

<400> 28859

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 cctgctgaga tcattgtgca cggcaagtct ggcttccaca ttgaccctta ccatgggtgac 180
 cgtgctgctg atctccttgt tgacttcttt ggaagtgcga gcttgaccca actcactggg 240
 acaagatctc aaaggc 256

<210> 28860
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888245H1

<400> 28860

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 ccgtgtgagg atggagagct ctaccgcgtg atctgcgaca ccaggggtgc tttcgtgcag 180
 cctgctgtat acgaggcttt tggtttgaca gtggttgagg ccatgacttg cggcttgcca 240
 acattcgcca 250

<210> 28861
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888950H1

<400> 28861

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 gcctttgggt tgactgtggt tgacgccatg acttgtgggt tgccaacgtt tgccacatgc 180
 aatgggtggc ctgctgagat cattgtgcat ggaaaatctg gttaccacat tgatccttac 240
 catggtgacc atgctgctga gat 263

<210> 28862
 <211> 252

<212> DNA
 <213> Glycine max

<223> Clone ID: 700894112H1

<400> 28862

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 tcctttacag ctcaagtggag aatgaagaac acatatgtgt gctgaaggac cgcagcaagc 120
 caattatctt caccatggca aggttggatc gagtgaagaa catcacagga cttgtggagt 180
 ggtacggtaa gaacgcgaac tcgagggagc tggatgaacct tgtgggtgtt gctggagaca 240
 ggaggaagga gt 252

<210> 28863
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944525H1

<400> 28863

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 ggaacggaga gctctaccgt gtcattctgtg acacaagggg tgcctttgtg cagcctgcag 120
 tttatgaggc ctttgggttg actgtggttg aggccatgac gtgtgggttg ccaacgtttg 180
 ccacatgcaa tgggtggtcct gctgagatca ttgtgcatgg aaaatctggt taccacattg 240
 atccttacca tggtgacat gctgctga 268

<210> 28864
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700944860H1

<400> 28864

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 tcatgcactt gagaagacca aataccccga atccgacatt tactggaaaa aattggaaga 120
 gagataccac ttctcttgcc aattcacagc tgatctattt gccatgaacc acacagattt 180

catcacaanc agtaccttcc aggagattgc tggactgcag gacactgttg gacagtatga 240
gtctcacaca 250

<210> 28865
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700891092H1

<400> 28865

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gaacctggtg gtggtggctg gagacaggag gaaggagtcg aaggacttgg aagagaaggc 120
cgagatgaag aagatgtatg gcctcatcga gacctacaag ttgaacggcc aattcagatg 180
gatatcctct cagatgaacc gtgtgaggaa cggagagctc taccgtgtca tctgtgacac 240
aaggggtgcc tttgtgcag 259

<210> 28866
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700894436H1

<400> 28866

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caacatgttc tgaggcaagc tgaggagtat ctgggcacag tgcctcctga aactccctac 120
tcagaatttg agcacaagtt ccaggagatt ggtttggcga gagggcgcg tgacaacgca 180
gagctagtcc ttgagtccat tcaacttctc taggatctac ttgaggcgcc t 231

<210> 28867
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700894532H1

<400> 28867

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ttctcatgcc aatttactgc tgatcttttt gcaatgaacc acacagactt tatcatcacc 120
 agcaccttcc aagagattgc tggaagcaag gacactgttg gacagtatga gagtcacact 180
 gccttcaccc ttccaggact ttaccgtgtt gttcacggta ttgatccatt tgatcaaagt 240
 tcaac 245

<210> 28868
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891712H1
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 tcatgccaat ttactgctga tctttttgca atgaaccaca cagactttat catcaccagc 120
 accttccaag agattgctgg aagcaaggac actgttggac agtatgagag tcacactgcc 180
 ttcacccttc caggacttta cegtgttgtt cacggtattg atccatttga tccaaa 236

<210> 28869
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889555H1
 <400> 28869

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 atcaccagca ccttccaaga gattgctgga agcaaggaca ctgttggaca gtatgagagt 120
 cacactgcct tcacccttcc aggactctac cgtgttgttc acggtattga tccctttgat 180
 ccagagttca acatcgtctc tcccggtgcc gacatgagca tataacttccc atacactgaa 240
 actgagcgta g 251

<210> 28870
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943746H1

<400> 28870

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gaaggagtcc aaggacttgg aagagaaggc cgagatgaag aagatgtatg gcctcatcga 120
gacctacaag ttgaacggcc aattcagatg gatctcctct cagatgaacc gtgtgaggaa 180
cggagagctc taccgtgtca tctgtgacac aaggggtgcc tttgtgcagc ctgcagttt 239

<210> 28871

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700893512H1

<400> 28871

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acagtatgag tctcacacag cctttacccc tcttggaactc taccgtgttg tgcacggcat 120
tgatgtcttt gatccaaaat tcaacattgt ctcccctgga gctgatcaaa ccatttactt 180
cccccccacc gaaactagcc gtaggttgac ctcttccac cccgaaatcg 230

<210> 28872

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700892442H1

<400> 28872

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ggacaaaatc tcccagggtg gactcaagcg tattcatgag aagtacacat ggcaaattta 120
ctcggacagg ctcttgacac tcaactggtg gtatggcttc tggaaacacg tgaccaatct 180
tgaacgccgt gagagcaaac gttacctga gatgttctat gctctcaagt accgcaaat 239

<210> 28873

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700892632H1

<400> 28873

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 tatgaggcct ttaggttgac tttgggtaag gccatgactt gtgggtcgcc aacgtttgcc 180
 acatgcaatg gtggtcctgc tgagatcatt gtgcatgga 219

<210> 28874

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700890513H1

<400> 28874

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 aatgaaccac acagacttta tcataccag caccttcaa gagattgctg gaagcaagga 180
 cact 184

<210> 28875

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700890952H1

<400> 28875

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 tatcaccctt cgtattctca ttattactcg tcttctcct gatgcagtag gaactacctg 120
 tggcgaacgt ctgagagagg tatatgatac tgaatattgt tacattctcc gcggctcctgt 180
 cagaactgag gagggacttg ttcgcaaagt gagctgaaga ttcgaagtc 229

<210> 28876

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700945284H1

<400> 28876
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 ctccagtggag aatgaggaac acatatgcgt attgaaggac cgcaacaaac caataatctt 180
 caccatggca aggcttgacc gtgtgaagaa catcacgggg cttgtcgagt ggtac 235

<210> 28877
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942575H1

<400> 28877
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 agtatgagag tcacactgcc ttcacccttc caggacttta ccgtgttggt cacggtattg 120
 atgcctttga tccaaagttc aacattgtct ctcccgggtgc agacatgggt atatacttcc 180
 catacactga aactgagcgt aggttaacag aattccacac tgcatac 227

<210> 28878
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945125H1

<400> 28878
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 aatctcttct ttacagctca gtggagaatg aggaacacat atgcgtattg aaggaccgca 120
 acaaaccata atcttcacca tggcaatgct tgacgtgttg aagaacatca cggggcttgt 180
 cgagtgttac gggaagaacg caccgctccg cgagttgngt gaactggtgg tgggtggctgg 240
 agac 244

<210> 28879
 <211> 239
 <212> DNA

<213> Glycine max

<223> Clone ID: 700893154H1

<400> 28879

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 aacgccgtga gagcaaactg tacctcgaga tgttctatgc tctcaagtac cgcaaattgg 120
 ctgagtctgt gcccttgct attgaagagt aaattcatgt ttgaagagaa catcaatgga 180
 gaaaccggct tttggtcgtt tgaagtctta tggagctttc ataaataacg ccattgatt 239

<210> 28880

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893118H1

<400> 28880

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 aacgccgtga gagcaaactg tacctcgaga tgttctatgc tctcaagtac cgcaaattgg 120
 ctgagtctgt gcccttgct attgaagagt aaattcatgt ttgaagagaa catcaatgga 180
 gaaaccggct tttggtcgtt tgaagtctta tggagctttc ataaataacg ccatt 235

<210> 28881

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700945968H1

<400> 28881

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 actcagtgtg ccattgctca tgcacttgag aagagcgaat accccgaatc cgacatgtac 120
 tggacaagat tgggagagag gt 142

<210> 28882

<211> 254

<212> DNA

<213> Glycine max

00222200-032200

<223> Clone ID: 700945788H1

<400> 28882

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cgttacctcg agatgttcta tgctctcaag taccgcaaatac tggctgagtc tgtgcccctt 120
gctattgaag agtaaattca tgtttgaaga gaacatcaat ggagaaaccg gcttttggtc 180
gtttgaagtc ttatggagct ttcataaata acgccattga ttttgattgt gatcagcttt 240
tggatttaaa gagt 254

<210> 28883

<211> 161

<212> DNA

<213> Glycine max

<223> Clone ID: 700888936H1

<400> 28883

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ccctttgatc caaagttcaa catcgtctct cccggtgccg acatgagcat atacttccca 120
tacactgaaa ctgaacgtag gttaacagag ttccacacaa c 161

<210> 28884

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700893166H1

<400> 28884

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accgcaaatt ggctgagtct gtgccccttg ctactgaaga gtaacttcat gtttgaagag 180
aacatcaatg gagacaccgg cttttggtcg tttgaagtct tatggagctt tcataaataa 240
cgcc 244

<210> 28885

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700895166H1

<400> 28885

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tgcagccttc ccccgcccaa ctcttaacaa gtcaattgga aatgggtgtgc aattcctcaa 180
ccgtcacctt tctgccaac tcttcacac aaca 214

<210> 28886

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700889179H1

<400> 28886

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gccagtgggc accgatcggt tgaccgggt tcacagtctc cgtgagaggc ttgatgaaac 120
cctcactgcc aacaggaatg aaattttggc cttctgtca aggatcgaag ccaagggcaa 180
gggcatcgtg caacaccacc aggtcattgc tgagtttgag gaaatccctg atgagaacag 240
acagaagctc actgatggtg cctttggag 269

<210> 28887

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891526H1

<400> 28887

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attcagatca gagtcaggaa ctctccgtaa atggatttca aggtttgatg tgtggcctta 180
tctagagact tatgcagagg atgttgccag tgaaattgct g 221

<210> 28888

<211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942858H1

 <400> 28888

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 ccaagattgt cgatgatcag tccatacttg aagatgaacc aaggttaaga gaagtactaa 180
 tgtttgcaaa tgcagtggga gctattacaa ctacccaaaa gggagcaatt ccggcccttc 240
 ccaaagagga ggctgc 256

<210> 28889
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700892801H1

 <400> 28889

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 gccaaaggaat ctgggtgctt gctctcctat gacccaacc ttcgtctacc tttgtggcct 120
 tcggctgagg aagctcgtaa gcaaatactg agcatttggg agaaggctga tttgatcaag 180
 gtcagtgatg cggacttgag ttcctcacag gaagtgacaa gattgatgat gaatctgctt 240
 tgtcatt 247

<210> 28890
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700891914H1

 <400> 28890

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 gccaaaggaat ctgggtcttg ctctcctatg accccaacct tcgtctacct ttgttgctt 120
 cggctgagga agctcgtaag caaatactga gcatttggga gaaggctgat ttgatcaagg 180

tcagtgatgc ggagcttgag ttcctcacag gaagtgacaa gattgatgat gaatctgctt 240
tgtca 245

<210> 28891
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700942816H1

<400> 28891

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aggaccattt gatgttgagg tttttgattc agcaagtgat tatataaaat tgatgaagtc 120
aatttttgat tttgaatcta tcaggaaact gctgtcatct cctaaattca cattctgtta 180
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ggcacaagaa agctctttac tgaac 265

<210> 28892
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700943365H1

<400> 28892

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gctcttcaat gtttcacgcg tagagaccac tcccttcgat ggccagaagc ctggaacctc 180
tggtctcgcg caagaagggtg aaagtgttcg tgccacctca ttacctccat aactttgttc 240
agtc 244

<210> 28893
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700888547H1

<400> 28893

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 cggtatgaagt agtgggtgctt tatgactctt tggcaccgac tcctgacggg tctttggagg 180
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 tgggtgttac tggcc 255

<210> 28894
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700895203H1
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 cgatgaacat gtcaatgagt tcaagtcaat agagaagttc aaaattttca acacaaataa 120
 tttgtgggtg aacttaaacg cagttaaaag gcttggtgaa gctgatgctc ttaagatgga 180
 aattattccc aatccaaagg aagttgacgg aataaaagtt cttcagctgg aaactgcagc 240
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<210> 28895
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889518H1
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 ggacatcatg cttccctaaa agttgctaata catctatagt tctgagcctc gttcatcctc 180
 aaggggacca tcatcattgt atcaaaaccc ggtgttaagc tataagttcc cgacggtgtt 240
 gccattgtag aca 253

<210> 28896
 <211> 243
 <212> DNA

<213> Glycine max

<223> Clone ID: 700890552H1

<400> 28896

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 tatctgccag gaaaagccaa agatatgatg gatgctctga tagatgttga agatgatgat 180
 ggaagaaagt tgagtgatga ggacatcatt gacattatgt tgatgtactt gaagtcgggc 240
 cat 243

<210> 28897

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943040H1

<400> 28897

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 gcaacgggag cgtagctac actttctgga gcaaaaacgg gacgctctcc ccgagacaaa 180
 cgggttggtca gggacgacac caccgagcat gacctctggt ggggaaaggg ctgcgccaat 240
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<210> 28898

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888213H1

<400> 28898

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 agaaagagct gttgttactt gaactccttg gacaaggctc tcgtcaatga ccaattcttg 180
 aattgggaca cagagaacag aatcaaagtc cggattgtat ctgccagagc ttaccattca 240

ttgttcacgc acaa

254

<210> 28899
<211> 178
<212> DNA
<213> Glycine max

<223> Clone ID: 700888666H1

<400> 28899

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gctaaagcaa agacgagcaa ctgggcagga atatgctgac ttatgcacga atttatgaca 120
gcagtcaagc aaacttatgg ggaaaaagtt ctaattcagt ttgaagactt tgcaaacc 178

<210> 28900
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700946436H1

<400> 28900

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caatgaaaaa cctcttgttt tggccctctc caatccaact tcacagtctg agtgtacagc 180
tgaagaggct tacgaatgga gtgagggtcg tgcgattttc gctagtggaa gtccattgat 240

<210> 28901
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700893193H1

<400> 28901

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gacgatggga ttttggttcc agtcccacaa taccactct actcagcaac aattgctctg 120
cttggtggta cccttgttcc atactacctt gaagagacag caaattgggg tcttgatggt 180
aatgaacttc gtcaatcagt tgagcaggct cgctttaag gaataactgt taa 233

<210> 28902
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888645H1

<400> 28902

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 t 181

<210> 28903
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888603H1

<400> 28903

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<223> Clone ID: 700894006H1

<400> 28904

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 gttaagctca acttgggagt tggatgcttac cgaactgagg aaggaaaacc tcttgttttg 180
 aatgtagtga ggcgagttga gcagcaactc ataaatgacg tgtcacgcaa caaggaatat 240

attccgattg

250

<210> 28905
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 <212> DNA
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<223> Clone ID: 700890192H1

<400> 28905

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tcttcgtcct catggttccg gagcatcgag cccgttccca aggatcctat cctcggagtc 180

actgaagctt tcttcgccga tcagagtcca aacaaagtca acgtcggagt ggtgacgtat 240

c 241

<210> 28906
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 <213> Glycine max

<223> Clone ID: 700889346H1

<400> 28906

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aagaacttgt gaaggttgct aaggagtatg gtgttaaact tacaatgttt catgggagag 120

gagggactgt tggaagagga ggaggtccaa ctcatcttgc tatattgtct cagccaccag 180

acaccattca tggctcactt cgggtaacgg ttcaggtga agtcattgag cagtcttttg 240

gagaggaa 248

<210> 28907
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943121H1

<400> 28907

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atcaatggcc tttcttttagg gtcacacttg atttggtgga aatggtgttt gccaaaggag 180
atccgacaat tgccgctctg aatgatagac tccttgtttc aaaggatctg tggccgtttg 240
gggatcaatt 250

<210> 28908
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 700945580H1
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gccgatggaa gccttctaga tttcttgaga caagtctcta ctttcggact ctccctagtg 120
aggcttgaca taaggcaaga gtcagaccgc cacacagacg tcttagacgc catcaccaaa 180
catttagaaa taggctcata ccaggaatgg taccggagaa aaacggcagc aatggctttt 240
atctgagttg agtggcaaac gg 262

<210> 28909
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<212> DNA
<213> Glycine max
<223> Clone ID: 700943287H1
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tgacactgca ggagatgtat aatcaatggc ctttcttttag ggtcactatt atttagtgga 120
aatggtgttt gccaaaggag acccggggat cgctgctctt tatgataggc tccttgtttc 180
agaggatctg tggtcatttg gagagcagtt gaggaccaag tatgaagaaa ccaaggaatt 240
cctccttcag gtggctggcc ataggg 266

<210> 28910
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700890236H1

<400> 28910

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 aaacttggtg ttagctaagc catgttccat ggtcgcggtg gaactggttg aagaggaggt 180
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<210> 28911

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700891079H1

<400> 28911

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 cctcggcgga agcgggctgg ccatgccggt ggaggtggtc cagatctgct ggaagtacaa 180
 tctggatcgg cttcaggagc ttttcaagga agaaggtgtg gaagcaaaat tgagattgga 240
 ggagagtggg aaccctacgt ca 262

<210> 28912

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700891544H1

<400> 28912

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 aggagtctga aatcgagctc ttgatttgga gaatctctaa gagtggcatc caaatcaaca 180
 ctaaaggttt caaagacaaa gaatacttca ctcgtgac 218

<210> 28913

<211> 233

<212> DNA

<213> Glycine max
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 gcagaaagag cagcagatta gtaccatgga gttactaagt ttgatccatt aactggaaaa 120
 caattcaaat tcaatgctgc caccagttta tacacaacat actttgcaga ggctttaatt 180
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<210> 28914
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943688H1
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 tggcagtgc gatcttgctt cttccaacat gaccttgtc aaaatgttcg gggacttcca 120
 aaaggatact ccagcagagc gtaatgttag attcgggtgt agagaacacg gaatgggagc 180
 tatctgcaat ggcattgtc ttcacagccc tggactgatt ccatattgtg caaccttctt 240
 tgtattcact gactacatga gag 263

<210> 28915
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 <213> Glycine max
 <223> Clone ID: 700891885H1
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 catcatcaac cccactacca gaaagactca atacaaagtt caagcttggt cacaagagga 180
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 atggaaacgt gctgagctt 259

<210> 28916
 <211> 260
 <212> DNA
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<223> Clone ID: 700941396H1

<400> 28916

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 catccccact accagaaaga ctctatacaa agttcaagct tgttcacaag aggagggttaa 180
 caaggtcatg gacttggcaa aatctgcca aaagttatgg gcaaagaccc cactatggaa 240
 acgtgctgaa cttcttcaca 260

<210> 28917
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700890234H1

<400> 28917

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 gtaaaacttg tttcctggta tgacaacgaa tggggttaca gttcccggtg gattgattta 180
 attgccaca ttgcatccgg ggcttaaaca gttgaggctg atcttggata tcaccg 236

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 <212> DNA
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<223> Clone ID: 700893919H1

<400> 28918

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 gagtctgagc ttggatatca tcgctacacc gttccaaatt tttatcttaa tcgagtttat 180

tttagtgtga attcggaata aacactttgt gttgctgtga

220

<210> 28919
<211> 254
<212> DNA
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<223> Clone ID: 700890465H1

<400> 28919

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gtggtcagag ggcactgctg ttaaggttgt cctggtaatg gagtccgttg ccgatgcttt 180
ggttgagaag gtgaaggcta aggtggcaaa actaactggt ggaccaccag aggatgactg 240
tgatatcacc ccgg 254

<210> 28920
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<212> DNA
<213> Glycine max

<223> Clone ID: 700890971H1

<400> 28920

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cgtgcaaaaa atgagaggtc tgaataaatc ggtttctgga accagtggat ttaccttggt 180
aggagcatta gctctatttt ggactttgcc tcttgtggag gaggatggag t 231

<210> 28921
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<213> Glycine max

<223> Clone ID: 700891972H1

<400> 28921

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cagagagacg atgttgaact cgttgccgtt aacgaccctt tcataccac cgattacatg 180

acatacatgt ttaaatacga cagtgttcat ggacactgga agcatcacga tgtcacctt 239

<210> 28922

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700945352H1

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ctcttgtgga gacaagctac tttgaagtaa caccttaaag agacttcttg gcaacgaata 120

caagaagatc aatgacacgt gagctgtatc cccactcgtt gtcgtaccaa gaaacaagct 180

tcacaaagtt cttattcaat gcaattccag cctttgcata aaaaatactt gatctgctat 240

cgccgataaa gtcagt 256

<210> 28923

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700944204H1

<400> 28923

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gctccgcaat tatcatgggc aaggtcaaga tcggaatcaa cggatttgga agaattggcc 120

gtttggtagc cagagtggct ctgcagagag acgatgttga actcgttgcc gttaacgacc 180

ctttcatcac caccgattac atgacatata tgtttaaata cgacagtgtt catggacact 240

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<212> DNA

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<223> Clone ID: 700945903H1

<400> 28924

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 ggctctgcag agagacgatg ttgaactcgt tgccgttaac gaccctttca tcaccaccga 180
 ttacatgaca tacatgttta aatacgacag tgttcatgga cactggaagc atcacgatgt 240
 caccgttaag gacgaga 257

<210> 28925
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945596H1

<400> 28925

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 tctgcagaga gacgatgttg aactcgttgc cgtaacgac cctttcatca ccaccgatta 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944396H1

<400> 28926

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 cgatcctttc attaccaccg attacatgac atacatgttt aaatacgaca gtgttcacgg 180
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 gccagt 246

<210> 28927
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700808443H1

<400> 28927

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 cgatgttgaa ctcgttgccg ttaacgaccc tttcattacc accgattaca tgccatacat 180
 gtttaaatac gacattgttc acggacactg gaagcatcag gatgtcaccg ttaaggacga 240
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<210> 28928

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700894550H1

<400> 28928

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 taaggacaag gctgccgcac atttgaaggg tggtgccaag aaggttatta tttctgcccc 180
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<210> 28929

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893834H1

<400> 28929

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 atacatgttt aaatacgaca gtgttcatgg aactggaag catcacgatg tcaccgttaa 180
 ggacgagaag acccttctct tcggtgacaa gccagtcact atttttggac acagaaa 237

<210> 28930
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 <213> Glycine max

<223> Clone ID: 700890650H1

<400> 28930

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 gaatggaaaa ttgactggta tggcattccg tgttcccact gtggatgtct ctgttggtga 180
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<210> 28931
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700944452H1

<400> 28931

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 ttattttctgc cccagtaag gatgccccca tgtttgttgt tgggtgtcaac gagcacgagt 180
 acaagccaga gcttgatatt atttccaatg ctagctgcac aaccaactgc cttgccccac 240
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<210> 28932
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 <212> DNA
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<223> Clone ID: 700892371H1

<400> 28932

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agtacaagcc agagcttgat attatttcca atgctagctg cacaaccaac tgccttgctc 180
 cacttgctaa gggtattaat gacaggtttg gcattgttga gggtttgatg accactgttc 240
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<210> 28933
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700891407H1
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 <213> Glycine max
 <223> Clone ID: 700942783H1
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 tgacattg 248

<210> 28935
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 <212> DNA
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 <223> Clone ID: 700890177H1

<400> 28935

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 ctatgcagtt ggaagcagtg gaggatacaa gaagggtgtg acagaagcaa aactgaaggt 180
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<210> 28936

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891638H1

<400> 28936

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 agaaggccgg catggttcct cttcaaattg aattgggtgg aaaagatgcc tgcattgttc 180
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<210> 28937

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700890918H1

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 tttgagtttg ataagtttgc cacaggaaca gaggttatag ccaagaaact ggcagagctg 180
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 gtt 243

<210> 28938

<211> 233

<212> DNA

<213> Glycine max
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 tgctgctgat gctaacagca agactgtgcc ggcatcaagc atcccagatg ggtggatggg 180
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<210> 28939
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700940911H1
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 tccaagattg gagttattga catcctt 147

<210> 28940
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700894074H1
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 tgtaatttgt gctttatatt attattatgg ttggatttca gccaacagtg gattgaggta 180
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 ag 242

<210> 28941
 <211> 239
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945115H1

<400> 28941

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tcttgtaccc eggctttctg agctcattgg tatccagatt gtcaaggccg aggacagtat 180
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<210> 28942

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700946208H1

<400> 28942

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catcccagat ggggtgatgg gggttgatat tggtcctgat tccatcaaga catttggtga 180
agcattggat acgactcaga ccattatttg gaatggacca atgggtgttt ttgagtttga 240
taagtatgcc acaggaacag aggcta 266

<210> 28943

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700894670H1

<400> 28943

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ccgactaaga ggagcgtggg aacgttgaag gaggggtgatt tgaaagggaa gaggggtgttc 120
gtgagggtcg atctgaacgt gcctttggat gacaacctta acatcaccga tgacactaga 180
gtccgtgctg ctgttccac catcaagtac taactggtca tggagccaaa gtgatccttt 240
ctagccactt gggacg 256

<210> 28944
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808471H1

<400> 28944

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 gctttgtttc aaaataactt caataaccca tcgtccttgc atttctctct aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagaaaaaa agagagaaaa gaagagaaaa 240
 gaaac 245

<210> 28945
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700894434H1

<400> 28945

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 gccggcatgg ttgctccatt cactggcctc aagtccatgg ctggcttccc caccagaaag 120
 agcatcaatg acattacctc cattgctagc aacggtggaa gattgcaatg 170

<210> 28946
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946185H1

<400> 28946

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 ttccccagct gttaccactg tcaaccgtgc cgggtgccgc atggttgctc cattcactgg 120
 cctcaagtcc atggctgggt tccccaccag aaagaccaac aatgacatta cctccattgc 180
 tagcaacggt ggaagagtgc aatgcatgca ggtgtggcca ccagttgggc aagaagaagt 240

ttgagac

247

<210> 28947
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700894533H1

<400> 28947

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tgttaccact gtcaaccgtg ccggtgccgg catggttgct ccattcactg gcctcaagtc 120
catggctggc ttccccacca gaaagaccaa caatgacatt acctccattg ctagcaacgg 180
tggaagagtg caatgcatgc aggtgtggcc accagttggc aagaagaagt ttgagatctt 240
tcctacctg 249

<210> 28948
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700945939H1

<400> 28948

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agctgttacc actgtcaacc gtgccggtgc cggcatgggt gctccattca ctggcctcaa 120
gtccatggct ggcttccccca ccagaaagac caacaatgac attacctcca ttgctagcaa 180
cgggtggaaga gtgcaatgca tgcaggtgtg gccaccagtt ggcaagaagc cgtttgagac 240
tctttcctac 250

<210> 28949
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700946365H1

<400> 28949

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cttccccagc tgttaccact gtcaaccgtg cccgtgccgg catggttgct ccattcactg 120
gcctcaagtc catgctggct tccccaccag aaagaccaac aatgacatta cctccattgc 180
tagcaacggt ggaagagtgc aatgcatgca ggtgtggcca ccagttggca agaagaagtt 240
tgagactctt tcc 253

<210> 28950
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700894558H1

<400> 28950

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tgttaccact gtcaaccgtg cccgtgccgg catggttgct ccattcactg gcctcaagtc 120
catggctggc ttccccacca gaaagaccaa caatgacatt acctccattg ctagcaacgg 180
tggaagagtg caatgcatgc aggtgtggcc accagttggc aagaagaagt tgagactctt 240
tcc 243

<210> 28951
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700945189H1

<400> 28951

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gtactggacc atgtggaagc tgcctatgtt tggttgact gatgcttctc aggtgttgaa 180
ggagcttcaa gaggctaaga ctgcataccc caacggcttc atccgtatca tcggattcga 240

<210> 28952
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700943511H1

<400> 28952

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 catggctggc tttcccacca gaaagaccaa caatgacatt acctccattg ctagcaacgg 180
 tggaagagtg caatgcatgc aggtgtggcc accagttggc aaggtgaagt ttgagactct 240
 ttcctacctg ccagaccttg atg 263

<210> 28953

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700941416H1

<400> 28953

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 atggctggct tccccaccag gaagaccaac aatgacatta cctccattgc tagcaacgg 180
 ggaagagtgc aatgcatgca ggtgtggcca ccagttggca agaagaagtt tgagactctt 240
 tcctacctgc cagaccttga t 261

<210> 28954

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700892594H1

<400> 28954

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 agtgcagaaa gatgtcaaga attggcagct attcttgtgt gttgctggtg gtctttgggc 180
 agggcttatt attggatttg taactgagta ctatactagc tatgcatata gtccggtgca 240
 agacgttgca gactc 255

<210> 28955

<211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888545H1

<400> 28955

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 aggaaaagcc gtccctttac caatgccttc tcgtttttgt gttagtcttt aactcatctg 180
 tcatgtcaat tccattgttt ttgaaacctt ttcctcccc accttgaaac aaagtatatt 240
 ttgtctcatg tagttt 256

<210> 28956
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941185H1

<400> 28956

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 aactactgc tgccatagga aagggatttg ctattgggtc tgctgctttg gtgtctttgg 180
 ccctatttgg tgcatttgtg agcagagctg gaattttgac tgttgatgtc ttgactccca 240
 aggtcttt 248

<210> 28957
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946269H1

<400> 28957

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 tagagagaga actgatgccc ttgatgctgc cggaacaca actgccgcaa ttgggaaggg 180

atttgccatc ggttctgctg cccttgtatc tctggccctc tttggtgcct ttgtgagccg 240
agctgctatt acaactgttg atgt 264

<210> 28958
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700888375H1

<400> 28958

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gaaggagcaa cctcttttct tttcactgag tataagtacg tgggaatctt catggtggct 120
tttgccattt tgatatttct cttccttggc tctgtggaag gattcagcac aagctaccag 180
ccctgcacct atgaccaaac taaaatgtgt aagccagctc ttgccactgc tgttttcagc 240
acca 244

<210> 28959
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700888553H1

<400> 28959

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gtttccagct atcaacagtc cccaaaccct cgtcttaacg agaggattct ttcattccatt 180
tccaggagac acgttgtctg acaccgtgg cagcatcttg agataggacc cgaagctcca 240
aagatcttca actg 254

<210> 28960
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700889521H1

<400> 28960

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 aaacaaggtt tccagctatc aacagtcccc aaacctctgt cttaacgaga ggattctttc 180
 atccatttcc aggagacacg ttgctgcaca cccgtggcac gatcttgaga taggaccgga 240
 agctccaaag a 251

<210> 28961
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891749H1

<400> 28961

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 gaaggtgaaa ccttgcatth tgggtctcc tgggatcc gcgggtggttc ggaattgtgc 120
 gaagtcaacg gcggggacaa tatcgacgag ttggagcctg gacagctgga gggcgaagaa 180
 ggcgcttcag cttccggagt acccagatgc gaatgaattg gacctagtcc tccaaaccct 240

<210> 28962
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891658H1

<400> 28962

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 tcgatggatt cagtgaatcc taaatatata ctgaggaact atctctgcca gactgcaatt 180
 gatgctgcag aaataggtga ttttggagag gttcgcagcc tgct 224

<210> 28963
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700891187H1

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<400> 28963
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ctattaaaga atctaaagat gaaatcaatt tttccttgg aagtgcctgg actgcgatgc 180
gtcctttgac agcagctgta gttgctgcag gtggaaatgc aagctacgta cttg 234

<210> 28964
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942983H1

<400> 28964
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aacttggtgc agatgttgat tgctttcttg gcacaaactg tccacctggt cgtgtaaact 180
ggaagggagg acttcctggc ggaaaggtga aactgtctgg atcagtttagc agtcaatact 240
tgactgcttt gctta 255

<210> 28965
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700941055H1

<400> 28965
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caaggcaagc ctttgaggat ccttgtttat gaggaagatc gttatggtcg ttctgtaggt 180
gatatctatt gtaatggcat tttgtacag gaaatgatgt taaagaaagg tttagcatgg 240
cactacg 247

<210> 28966
<211> 319
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001a01d1

<400> 28966

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gggaacaaac cactagagtg ccatttggtt tttgggttat tattaactaa cccttttcta 180
ccaaaagatc tctagattga acagaagaac ttgagagaag aaggtataga catgctctat 240
atgctataga gaaaaatctg tgaggccaaa agcaaattgc ttgaacttgc tccggaattg 300
caaaattaca agaaccatg 319
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<210> 28967

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001a09a1

<400> 28967

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accaaaattg catcaagtat gggaggcctg actctgagtt catgaagtgg aggtggaagc 180
caagtgagtg tgagcttccc atattcaacc cttttcaatt ccttgaaata gttaagggaa 240
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ttctttcaag ggtagaatgg ccaatagagg tatcatcac tacctgagaa tattttaagc 360
gatggaagta cccaagttgt aactttacca tgtgcagctt taggacactg catttggcta 420
gatccagaat tggtgatca catggaccaa gactgactag cc 462
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<210> 28968

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001a09d1

<400> 28968

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 tattgcagat ctcatgccct ccattctcaa catttctagc aagaaatcac tccatgtgtc 180
 tatgggtcct ggcaggcacc aatgcacaca atcattatat aatgttacgt tctcttTgtgg 240
 ccaatgtcca tatctacttg gatgaccatc tgggtctcaat aacattgctt gtgtgggtgc 300
 aagtaacttc aatttcaaac ccttctttct accttccttt tcagctttct tgaattcctc 360
 caattggatc atatatagct ccaaattagt gctctctaT ctgtgtcat tgctcctaaa 420
 cggttagtt ctgacacaat tcccaccttg attccatttt ccattctcaa aatgagatgg 480
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<210> 28969
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400001a10d1

<400> 28969

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 gatttggggT gtttccttcc cacaactcaa gtagttccct tttcatccaa gagatcacia 180
 ctacaggtcc caaagtagaa ggcaccagat aaagaagtgc aggttgaggt gagtgagtca 240
 agacaccagc agccaaagca gttaccaggc caatggcata cccgggtagc gcataccata 300
 tgtatttTgtg cccctttgag gaatgtaact ctaagagatt tactggatcc ctgctcttgc 360
 gataatcaaa gcagaggact aaagccagta gcatgcctgg gatagccatg tctcctaaac 420
 caagcatcat gaagtctgtc gcattctctc caggaacaac accaccaac aaatttctag 480
 gaaaaacaat ctttacaggc aactctaant tcttagtta 519

<210> 28970
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400001a11d1

<400> 28970

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 aaaaaaaagt aaaattggca tgactaagct tataatataa tacgatttct tattctttcc 120
 actgtatgta ccactattgt aatccagacc ttgcaatttg caattctaata taattaattg 180
 acccttctgc aattgcatct gatctctccc ttcttcccag tgagaggctt catgttcccc 240
 atcttgatca tggaagcttt aaaatctcta gcaaaaacca aagggttctt actatacagt 300
 tgcaccaatt tgtcactttc tgtgcctttt cccttgaaca gctcttgatc agaatggaga 360
 agaccctttt tgtgcagcaa attcgtgtaa tatgcagtgt caactctcgc aggagtagca 420
 tcaaatggat gcaagttgtt gtctcctccg cttcgcggac atgtcttctt cgcagatgct 480
 tgcaaatttg ggtctattat g 501

<210> 28971

<211> 527

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400001a12d1

<400> 28971

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 attcattgac atccattcgt tgccaattcc caacaaaaga agccaactga tgcaccttgt 180
 catacaatcc taggaggcca cccgtatgta tgaagaggat ctttctcctt tcccacttct 240
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 caagaacaac accagtagtg gcagcaactt cttttacaaa attaagctcc tccgatgtat 360
 tcattgcata gccaagaccc ttggcgtttt gaatgtggac aatatctctt gagctaacgc 420
 cagccttgag tccatcaagc aagccttgag caaagttgtg gaagtaatct gggatcatcac 480
 anacagagaa tgcattgtacc ctngctttca atgcactcaa tgacgat 527

<210> 28972

<211> 417

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001b01d1

<400> 28972

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agtaaatagc aacttgatta agtacaatat atatacactg tcacagaata tttcctataa  180
gaagtggatt ttgacatata cataaaaaat taagcagtga aaataccgct gttattggag  240
caccttgaac tccattctat aaaggcagtc cagtttcaaa ettttatctg aagggtgga  300
cttacaataa gtaaattatt gaggcactcc acaggaactc ttgttcccca cacattcatt  360
gatttgagct tcaaacattg atcaactagc gcaaaaagcc cattctttcg tacatga   417
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<210> 28973

<211> 547

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001b09d1

<400> 28973

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ggctggatgc tttatttata ttggtagata ttatttccag cagattatth aattactcat  180
ggcaccaaat tgggaaatca accatcaact ttcattgtctg tctctggaag ccaggggaat  240
ggcagtggtg gtttagttgc ttccagaaga acctcaatgg gaatctttgg tgcagatggc  300
ttcaatggtg ttatggcgtg attatacttt tgagggtttg cacagtaatc ctgatctgca  360
tgcattctta gcacaaatth tttgaatata ttaaaatttg atttttgcag tagatcatct  420
gatagacgaa ggtatgttac tccgaacatg cttagtthtg gagggccatt gttgttgaca  480
ccttgcggtc ttgcattcag tatgatttgg ttgtaagctg tggcatcata ccttggaagt  540
gcatttt                                         547
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<210> 28974

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001b10d1

<400> 28974

aaagaaaaaa cttccttaaa agggaaggcc atgttttgaa ttttgcaccc aaagcttcgg 60
 aaaacaaagg gaatTTTTTT cccttttgaa ttccaagttc cttgcagggc atacttaagg 120
 gaaaacgggg aagttgttga atggggatgg attgcccaca gcctTTTTTT gccaaaccaa 180
 aggcttaatt taaccccaaa cccgtgtcca gaaaaaazacc cattttttaa gaaacccgaa 240
 attaaaaaaa cttaccattt gggaagaggg gccccattcc actccccagg ggtttccaaa 300
 aggggatcaa ggatcttctt tgggcacaaa gcagggaaca cttgtgaaca ctttttacct 360
 ggggggaaaa ctttttaacc agttagcaa 389

<210> 28975

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001b11d1

<400> 28975

caagaaagta ttttagttaa ttttaagtc aagacattag taagatggca actggcaaca 60
 ttacatcaat acctgggtccc aaattttcgt tcaatcacac aaagaacagt tacaaaatta 120
 actactagga ataggactaa gattacaccc aaacacgggt tatatgtcgc aaaccacaag 180
 atacactgga acaagagaag ctttgttgaa gctgcaatag acctcatgtc aaaacttgga 240
 aaattgagtc caaattagcc aagttgacca tccccatcac aactcctatt tatgaataat 300
 cggaatcatt taattggcac ggcttttgaa cacatcaaga cccatctcag taggatcagt 360
 tgcttgacgc tcaatctgaa ttccatcaag ctccctcttg aatctatctt tggagctggc 420
 ataaatcatc ttgctcctaa ccctagatgt atcagggggac caagcaatga agaaaattct 480
 gctcttttgg caattctctt cagtgacaaa atcaaaatca taaacagcat a 531

<210> 28976

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001b12d1

<400> 28976

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aaggaattca ttcattaaag cgtgtttgtt tggtagaaca aaactactag cttaccagg 60
aatgagtcca ctcatTTaag tatacttaaa aaaattgaac gaggtatata cgtatccaaa 120
ccataaaaga aaaactagtt tgataacatc atttttccaa acgaaattaa ctaacatatt 180
cagtttgatt tggcattgag attagcacca actttcaaga ttgatcgcaa aggcttcatt 240
ttctttggag catgaggtaa atttcccacc accaccactt tttcatcaat gctggtcctg 300
catggaatat tcttctttac acatgggtatc tctggctgca ctactttgtc tgcattagcg 360
ccaaaacctt ttggtgtaat cttcacctta gttgagcttg aatcgtaatg tgaagatctt 420
cctaaagtta cc 432

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<210> 28977

<211> 394

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001c01d1

<400> 28977

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cgtccttttt tttttttttt tttttttttt tttttttttt ttttttttaa aaaattttga 60
ctatttttat aatatatagc accacaaaat acaatttgct aaaaatatag gtttcccttt 120
ggaaactgaa gggaacataa ctaaagtgtg tcccagggtgc tattaactaa accattaaaa 180
cagcattgct tatctatgta gagatttaaa attgggtcatg aagagttata taggattaca 240
ttgcttatta aaatatttat atattaggca attaaggggt ttaagggcat ttgggtcctt 300
cttccttgagg ctttcagctg gtgtaacaag ggcgaatttg tttgttgcca tatgtacccc 360
gaggaacgca ttggcatttt gcccaacact ttg 394

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<210> 28978

<211> 526

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001c09d1

<400> 28978

aaaggtacca aagcatagtt gagtcccaat attttacaaa taataaatac aatgtcgcca 60
 ttaatatata acaataactt tgacatcata aattcttcca aaataattat acaaaagtga 120
 caagggaaaa ccgatctgc cagttgccta ctgaataaaa acacacatca ttactatgtg 180
 ttggcataca cgcattgacct tgtgccttgt catgagtga tttccaaag caattgggtcc 240
 tttatgcctc cttaatcctt atgccacaaa atgctatcat cccttgaaag ttgtaattgc 300
 ttcttcagaa atagatttat acaaaggtag ttgcaatata ttttgccaa actaaaaatg 360
 taaagaccct ttttcccaat cctagtagtg tccaattgt atttacaag gcgggacaaa 420
 atatgtatat acaagtacaa tcatatagca taatgtaaca ataatacatc tttgggtctt 480
 actggtgcac attacaggaa ttattatgca ctgaaacccc tttgca 526

<210> 28979
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400001c10d1
 <400> 28979

gagatgatca atcttagtta tcgtctcaaa tatgagaggt gttgcgtaaa cacagaatcc 60
 ctaaaaaccc aaagccaatg gaaagaaagg agcataaacg tgaaaaagaa aaacaaattg 120
 acaatcacgg tttttcctaa gcttcaacaa actgtacaga atactgggac aaacgtgctg 180
 ctgtcaaata agatacacag atacatagat caagaatatt aacaccatgg actgcacaat 240
 ttggttgga ctgataaaga caactaaata tgcagaatat cagtattatc ttatggctaa 300
 ctgttaagcc tgcaaccatt gtccatacaa cttattcatc taactcctct atctgtgccc 360
 gcttctcagc ggctatcttc ctgataaaga agccccacct cattgctgcc ttgatcttca 420
 gccatccac aacagctctg cctgggagag agcgatcctc atcatagttc ggtatactgg 480
 gagatggcat gaatgatggg aatgaaaagc catccttagc actcatg 527

<210> 28980
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400001d09d1

<400> 28980

gctatgtcag ggatttttgac aattcataat ctgttattgt ttaccataca aagtaggtca 60

atgagatctt ccctagctag ttatttcctc tctgtaagtt aaagaacaaa atcctacaat 120

gaagtaaatt aatcaaataat gtattctcta tttacatttt ctattccact cactagaggg 180

atacataccc aaatacaaca aaaaaccata tttgaaaacc aaattcattg ctgaactaag 240

aatttggcga tcaaactcac ccaagagtga cagcggctgg aaatatgaat gctacacaga 300

cagcagctgt tgctccagta aactggaaaa tatcccaaat gctgggtata aaatttgctc 360

ccaggaagat aacaccaata agtgaaatag taattgatgc aaatctgaag ttatcttgac 420

gcaaaggcct atatgatgaa aatacgagac catctaggtt gacccgcact gcatagaaga 480

caactggaaa tacaagcaca agatgcgcaa catagctaaa tcgaacagcg tcattgagca 540

cag 543

<210> 28981

<211> 435

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001d10d1

<400> 28981

ggggagaata caagggaact tggaatcaca aaagatttta ccattatttt caaaggagac 60

ttttttggac aatatgggtc tgcactcact agacatttcc catttggtat ggccctaccg 120

gacacataaa tacatgcagc atttaattag aagaagaaag tacgtacgta ctggggccatt 180

ttgatgaaga tttggttttg gtttgctatc aattttgggt tttggttggc gaggaacctt 240

acaaggggaa acgttcacct tccacctttc gagagaaaca tttttggaaa atactagga 300

gataaaattc aacccaaga acctaaattt gagcccgagg tattttggca catttataga 360

ttggaaatct tacccttaaa tttctttgat ggacaattaa attcccggtc taatgccctt 420

cttccttcat tccta 435

<210> 28982

<211> 527

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400001d12d1

<400> 28982

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agactaaca agatgtaatt tgaacagttt taaagactaa ggtatattta gctgaaactg   60
ttgctaacac aaatactaca acaaaccttt gataaacctc atgaattatg tagttgggtc  120
tctgcccatt attcttttga aaatcttaac aagaaatcta cattaaaata tcaaaaaaat  180
ttctcgacga agtactccta tgtttatata agtttgatcc atcagatgat atcctcgatc  240
gtgctagtat tactgaactt atctgttga acctgacaga acatcaaaca gtccacagca  300
actcaaccag gaagtctttt gcaccacagg tggaactgat gctacaagtg gctgattatc  360
agagcattct ggagtatcag aatctttaac atgttctgca tcaatagtag attcagggat  420
aggactctga gacactgatg ctgatacttc actgtcaaat tcccttggct taggttcctc  480
caaacttatt gatcttacat tntcatcaga ggaggaatgt tctttat                527
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<210> 28983
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400001e01d1

<400> 28983

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ggagtgttta catctttatt taataatctt cgttggaaga gtacaatcat taattatttt   60
attttatttt tttcagcagt agttaccact tttggatttt acatatagca cttggccaca  120
acacacagag gattcttctt atgctgggta actcctggca acacttcagt atcaatgtct  180
tcctttttca ttccttgagg caattcccag tcaaaggaat taagaagatt agcaagtata  240
agatccaatg cactaaatgc catattcata ccagggcaca atttacgacc agcaccgaat  300
ggaataaact caaatcttg tcataaaga tctatgtcgc aatttaaaaa                350
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<210> 28984
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400001e10d1

<400> 28984

aatccgacat gagttaggac caatttccat ttcattgtaa ttctaagtgtt gggtgaacgc 60
 ttgcaaccat gaatacacat cgttggtgaa attttcacct gatatatata ctggtcttat 120
 tgtgagaaaag gaaaaagaaa aaaggacagt gcctagcact atccactgta catgccaacc 180
 acctaagtat accttttcac aaccctgata ctctagagta tgtaacagct cttcaacag 240
 gttgaataaa gggaaaacgg taaaaggaaa ataaatatgg aaaccatgtt aaaaagaagt 300
 ccaaagtatt taagagagtt gtagaaatcc tccgcctaac tcctgttacc agagccaagg 360
 ctttcataga acaaaatgta cccatggtct gtattacttg aatactcctg tgatgatcca 420
 aagaacgtct gcacagcaga ctctgcaatc atctctacat tttcgtcatc aaaaaataac 480
 cagtgggttat ggcttttcac aagactgaca taatgc 516

<210> 28985
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400001e11d1
 <400> 28985

ggataaaaaa aaacccctc gctatatcac tttaaattgg caacccgcaa agaatacatc 60
 aagaaacttg aagctggcct gatcttcggg ctctagggg ttatcctagg aatgaaagat 120
 caagttccaa aagaataatt tgacaaaaga atttgttttg accaaaaata aacaacagct 180
 ttttaccggg gggggaatat aaaaaatcca aaaatttttt tccagcttga tctttaatgg 240
 tccaatttga aagctggatg ggatcatttg ttagaccctt gaaattctat ttctagattc 300
 cggggggggc cacttttact ttggggcaac aaagcatact ctccagcttc tgagccaagc 360
 tttaccactc gatcaatctg gattggaact ttcccaaatt tactttttcc cactttgctc 420
 ttatttttgc aagaa 435

<210> 28986
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400001f01d1
 <400> 28986

agtaagaaaa gacatcaaat ggacatttat tgcatttctc actcttctat catccgaaag 60
 atttctttac ccttgaaagt caagtctaga gaatggcccc cctaaatatt tttttataaa 120
 ttaaataaat caataaaacg taagtccaaa aaaaaaaaaa tcaaaacagt gagatgggga 180
 ctgcattccc atccttttaa aatacaggaa actccttagg cgggcttaaa aggaaacaaa 240
 tgaaaaaaag aaaaataaaa aagaaaagaa aattcattac cccaacgaat ttatgagggc 300
 tttaaaactg aaaactagcc aatcagcttt tgcagcaaca gacttttgaa gttgaacacc 360
 cgggtagcaa acgaacatg 379

<210> 28987
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400001f08d1
 <400> 28987

aaaatcaaaa aagaaaaaat aggcattata ttgacatata aaatatttac ttctcatcat 60
 catcatcaaa gaaatgcaga atttgtctta tcaaagtcac aaaaaataaa agcaaaatcc 120
 aatttcagtg gttactcttt ctgccattct tgccaacatg gtgcaaccac ccaatgcctt 180
 tgagggcctt ggaaaatttg agaaggttag gcctcccat tcctaaattc atcttccctg 240
 tggagaattt caaggcctgt aagcagcaca acttagcctc catgtcctct tcttctctt 300
 cctcatcctc ctactattc tcaacctcac ccttcttctt ccctttcttg gtgttgctct 360
 tcttcagaac cttgttggtg gactctgtct catatgtctc ccaaagcatg tccattcctt 420
 cactcccatc tgcattgtgc ctctcctcaa aaagcttaca agccaaggtc ctctnccact 480
 ctntctccac tctcattgaa ccaaaactac caagtgcgtg attattattc cccatgcct 539

<210> 28988
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400001f09d1
 <400> 28988

agataaaaaa aaaggacatg gggaaaaaaa aacaccaaac aaagggggga aaaaaagggg 60
 gggaaaaaaa aaaaaaaggg gggggaaaag gaaccaagaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaagggg aaaaaccggc cccgagaaaa aaaaaaaagg gggggggaaa aaaaaagaca 180
 ggaaggagaa aagggggaaa aaaaaaaaac cccccagag gaaaaaaggg ggggggaaaa 240
 aaaaaaacgg cgaaaaacac aaaggaaaga agaaaggggg ggcaaaaaaa aaagcgcccg 300
 ggaaaaaaa gggggccac cataaaaaaa gaggggagcc cctatggggg ggggaaaaaa 360
 aacaacaaca aaaactggga agaaaaaagg acccccacg ggggaaaaaa aaaaaacacc 420
 taaggggggg g 431

<210> 28989
 <211> 525
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400001f12d1

 <400> 28989

accctcgcaa tgagtatttc cttagttcct taaattgtga tttcatatgt agttacataa 60
 acacaaagat aaaagtagtg ccacaaggca tttttcttaa tgcaacaaag agtagtccaa 120
 gggaaagaaa agaaagatta gatctcagca ggcacacggt tgtataaatg tgaggggagc 180
 ctaggagaaa ccacagcttg tattggagtc ctcatgtatg tgactagccc tggattctct 240
 cccatgtcaa tttcctcagg cttcattcct tcaggtgggg tccaacagaa atggtgcaag 300
 aggtggccca acatggatgc tgccaagttg ataccaagtt gggcacccgg gcataactcg 360
 cgacccgacc cgaatggaag tagcctaaag tcatggccct tcatgtctac atcctcctca 420
 aggaaccttt cgggtcggaa ctccaatgga tccttcaca cggtcgggtc gcggggccacc 480
 gnccacacat tcacatgcac attggaccct ttgggaatgt catag 525

<210> 28990
 <211> 549
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400001g09d1

 <400> 28990

acacaactaa aacaacatag ttcaatattg ccattcagtt taggtacgta acaggagcag 60
cgaagcataa aagcaatgca tccaaattaa aaccacatcg gtactggtac acatctgaac 120
atcaaacaca acagaaaaca gaccacaaga acaagaatct gaagtagatt ctagtagtct 180
tcctcctctt cctggccctc accagactca gcacccactt cttcataatc cttctcaagg 240
gctgcaaggt cctcacgggc ttcagaaaat tcaccttctt ccataccctc acccacgtac 300
cagtggacaa aagcacgctt ggcatacatg agatcaaact tgtgatcaat gcggccaaac 360
acttcagcca cactggtgga gtttgaaatc atgcaaactg ccctctgcac cttggcaagg 420
tcgccttcag gaacaacggt aggtggctgg tagttaatac cacacttgaa accagtaggg 480
caccaatcca caaactgaat ggtcctcttg gtcttgatgg tggcaacagc agcgtttaca 540
tctttgggc 549

<210> 28991
<211> 378
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400001g10d1
<400> 28991

aagaaatggg gaaagaatat taggggaagg gcccaaaaaa aacaatgaac cacaacaaaa 60
aaatacacia taccccaaga accaaaaact ggcctaaggg caaaaacaat acggaccctt 120
ccagggccct caacacacia atccaccact acgacacatg caagccaagg cctgaaaggt 180
ccaaaagggc aacaaaaact aaatcacagg gccgacccta acaaacagac caacgggcaa 240
aaccaggcgt ggcccaaaca aaatcccccg ggcgaacaac cccgtcaaac agttgggcca 300
caaaggaaaa aggccgaacc cggcacccca accaaagaaa tttccaaccg aaaggtcaaa 360
ggcaaccgcc ccggacac 378

<210> 28992
<211> 553
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400001g11d1
<400> 28992

ggatgataag tcaattatat tgatacaaac ttaaccagat ttcaacaaga aaactctaaa 60
tcaaactaaa agctctacaa gagataacca tcccttaact aaacagttgg atttagaaat 120
acaaataaag agaactccct tctttaaact attcacgttt tggaaagacg agcaatttac 180
ggaaggagga gcagggaaat attttttggg aagagaaata tgtttataag gaaatgacca 240
gaccacctac acggatgatc aaaatcatca gaacctacat aaatgctatt atcatcagtc 300
cattctctaa tcgtcactct cctcctcgcc actgccttcc tcgtcatcat cctcatcatt 360
cacctcagat acagacttct cagattcttc ttcaccccca ccagtaggac cttccgcctg 420
tttcttggtta taagctctca tgttcttctc gtactccact ttccttttct cagactttgc 480
cacataaggt gctgtttcag catcagacat cgtcttccag tttgctccag cagctttgcc 540
cacagcagac act 553

<210> 28993
<211> 516
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400001g12d1
<400> 28993

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ttgttcgttg caaacgttgc aatgtttatg tgcgtaacgg ggtaatacaa aagataggaa 120
caagtattgt ttcagcttaa cacgaaagga caacacacac aaactttcct cattcaacaa 180
attgcaacat ccaactgcaac atgtaacact cttacaaagc atttccttca cgaagattag 240
aaaagaaaaa aaaaaatact tgcaagctca gaaaaacaaa actcaatata tttcaagact 300
aaaaaatcgg taatgatttt caagcaatat tgtggtatgg ttttaataata atagtataat 360
ctatatatat gaaggcaaac attatgcagc ttgcttgagc ttctttgtga tgccggcaat 420
gtacttgctt tgggtggaatg cttgctgtaa ctcgagctca cttggctgtc ttgagccgtc 480
acccgcataa gttccggcac catatggact tccacc 516

<210> 28994
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400001h11d1

<400> 28996

gagtaaagt aaatattatt atctgcctca caatctgggt acaaaccata acattacctt 60
 cctcgcagaa aatacaaaaa gcctatcaaa actggccttg caagcttaaa tataacccca 120
 tatataatat agacaatttg gggaatattt aaccaaaccg cctaaccaac aaaaaaaaaa 180
 aaaaaaaaaa aaagcaaatt caccaaactc aattggacct ttactacggg ctaccatttt 240
 taaaccttcc ccaaactcaa tgtaaacaca ctggacatag aacaagttaa aactggcact 300
 atgatgccag tgccccgatc gcaaatacagg gcattcggtg acagcattac ctgtggcatg 360
 gaaagtgatg atgtaaaaaa ttaacccaag ctccaaaagc ctttttacc tttaggggaa 420
 tttacccctt ggtcttggcc ctcttcatac caaggctgtt gtggaagggt gaaacagaac 480
 cagacttggg 490

<210> 28997

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400001h12d1

<400> 28997

gaaaggaaat acaaatatta tttaaacc aaatagagaa ttagttctat tcttggaaata 60
 atacatacaa atcaatttac aacggcaatg ctgagaagat tattgaggca aatgaactgc 120
 atatattcta atacaatgca caagagtacg ataggatttc tacagaaacc ccgttgatgt 180
 tttagaacaa acgtagctat attggaaata gaatgggata acgttctaag tacaataatt 240
 ttataggaca cggccaaatc atcttatgga gttgaaattg taggaattgt attgtgaatt 300
 ggaaaatgta gaagaccgtg ctttatcaga tttgggtgaa gtttaggaat aggttttctg 360
 aagaaagtct ctggcttaaa aaatgacttt ggcttaaggg ataggtttta caattggaaa 420
 tggtttaggt atgggtacac aaactggaat aggaataggg ttaacaatag gaacaggctt 480
 tggtataggc ttaaaaa 497

<210> 28998

<211> 348

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400002a01d1
 <400> 28998

gggtataaac attacttttaa aatggggcat ggtgaaaaca gggtttaact cctatgaaaa 60
 ttggacatta cattatcagt ggcaatggaa acaaataagca tttgccaccc ccaaaacatt 120
 cattcactaa tcataatcca ctaacagcaa aagctttcta ttcaactcat ttcattaatc 180
 ctcaaaatgt ttttacctgg acaacaaggg caaattatag gccctaaaa caattctggg 240
 tttggtgtca aagggcacca ctgggggcac attttcaaac ccaaacttgg aaggttggat 300
 caggtattta gccctgaata tttcactctt aaaacaaata ttcctttt 348

<210> 28999
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400002a03d1
 <400> 28999

aaaaaaacat gatgctacat tattcacctg tttgacgatc aaatcaatac ttatatggct 60
 agtgttatac aaaatactct ttaaaaagaa aagaaacatc aatctataac taacactaga 120
 atagcttga ggcgcacat ggtacgacag ggggtgtgagg aaaaaacca tctgaaattt 180
 ttaggacaaa cagacagaca acacttttct ccatattaca aatattggtc gaaaaacaat 240
 ctgcaaaaat ttctaactcat ttctgaaaa ctaccttcag taacagcttt taataacaat 300
 cgatgtgaaa gctgcagaca cagcaagaaa ttgtagaagc acatatcaaa accctgcacc 360
 tgaaatctag agatggcaac agtctgtgta cattgatagg aggatcagca atcactactg 420
 caagatgcta atcacatgaa aaatttccaa aatcagcaaa aagatatctg gtaacttttt 480
 aacttagtc 489

<210> 29000
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400002a05d1

<400> 29000

aatatcaa at caactgttgt taaagttcgt ttacgtttac agattataaa aatttacaac 60
 acttaatgta gtccatataa aactgaaagg agtcccatta acagttgcat accgtttgtc 120
 aaaagcatcg acagataaca aaggtacgag gggaaagaaa accccaccta gaaacattgt 180
 ggcgttccat atggccttgaa ggcaatgatt cttcaa atgt catacaagaa atccttaaac 240
 agcttcatat ggtcaggctg aagagctatg gccacagata ggctcccatc attgggtgag 300
 cttggaatta tgaaagatag cccctcgat gcaattccac cagggtcccat gaatattggc 360
 cttccccaac caaagtcagc atcatggatt ggaagcctag tccagctagt gataccaagg 420
 tttggacact tgaaagtatg agccccacga accagcgctt ttagatcggg ttgcagttct 480
 agatagtcaa gagccgatct caaataatcg ttgtccattc gtaacaatgc a 531

<210> 29001

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002a06d1

<400> 29001

aaagaaaggc agcacgtatt atttcaattg ttaaataaga aaaaaaatat gatatcaatc 60
 aggctaacaa aattaaacat gaaatcaaag acaaagaaac ttcaaacttt tgaattgaaa 120
 caccatggcg ataaacccta tcaactcccag gaaaggaaga cacatatttc ctttttctcc 180
 atttctgcac tttgtgtcga acttgagtga cacaatttag tagaaagtgg tatgggtgaa 240
 cctaatacctt gtacttcatt tcagatacca ggaagccagg catgtcaaac aaggcagaga 300
 acttctcaac atcagctttg agatcttcaa tagccttggt gttgacgaga cccttggtga 360
 aatccttgag aagtttgcca tgctccttct ggatctccag tgtgagagtc acagcacggc 420
 gaaggaactc accaatctgc tcaaagtctt tttcaacca acccctagaa gtcatggcag 480
 gggcaccaat tcgcac 496

<210> 29002

<211> 366

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002b01a1

<400> 29002

ctggctcgaga gcaaaaggcc atataatttt tttttatttg aaataatgtc cgggatcatc 60
 cacaagattg aggagaccct gcatgtggga gggcacaaga aagaggagca caaaggagaa 120
 caccatggtg agcacaaaagg tgaacacaaa ggagaacacc atggtgagcc caaaagtga 180
 cacaaaggag aacaacccca tggggagcac aaggagggac tagtggataa gatcaaaggc 240
 aagatccatg gggaagggca tgacaagggt gagaaaaaga agaagaatga caagaagaag 300
 aaagagcatg ggcattgacca tcatgggcat agcagcagca gtgacagcga ttagatctta 360
 tatgtt 366

<210> 29003

<211> 433

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002b02d1

<400> 29003

cacaaaatgc aatgagtaca taaattcaaa atcaaaatgc attacctaac tagattgact 60
 gccaaactaaa tgaaatatat gctcctgtcc aaactgtccc aaatcccaca tcccagtag 120
 caacaaaaac tcaaaaaaat atcaatgatg taagagcttt attactctac tttgaaactt 180
 gatgctttta ttgctttaca tgattatcat gtgaccctgg tagtcttcca ccagagaagt 240
 aaccatctgc tgataatatg atgagaaaag aaactgcaag ccaagaagaa accacaaaat 300
 agcatgcgtc atagcttaca tcattgagga ttattggtct acgtctgtcc caaggtcacc 360
 ccaccggaca ttgtgtctgg ctgcaagata gtgagcacca acaggacccc tactaccata 420
 aggatagtac tct 433

<210> 29004

<211> 439

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002b03d1

<400> 29004

aaagtatcaa	cccaaata	tatcatgtta	tctgtttaat	tgagttatta	tacaggaatc	60
cctactaaaa	tggacatcgc	actacctctt	acgaaaaaag	agtaacctta	gtgcaagcac	120
ccaacaataa	tacacaattc	aaaatacatg	gcagccaatc	acgaccagct	ggcagtgata	180
gcactacctt	aaattatcat	tccctcatct	atgcgtagaa	ttattagaca	agcaaaaaca	240
caactgcaca	tgcggtcccc	gccgacaaga	tgcgatctcc	agcacatata	ggcacattcc	300
acacgagcga	tacatacaat	acacccccctc	aaaaaccaac	aaacaatcaa	ataaactaca	360
aaccggatat	caaactcaat	ccttgctggt	tgaagtaggt	ctctgggcac	ccgggggggc	420
ggttggccta	gggaaatta					439

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<210>      29005
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400002b04d1

<400>      29005
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aaagtattaa	cccaaata	tatcatgtta	tctgtttaa	tgagttatta	tacaggaatc	60
cctactaaaa	tggacatcgg	actacctctt	acgaaaaaag	agtaacctta	gtgcaagcac	120
cccatcaaaa	tacacaattc	aaaatacatg	gcagccaatc	acgaccagct	ggcagtgata	180
gcactacctt	aaattatcat	tccctcatct	atgcgtagaa	ttattagaca	agcaaaacaa	240
cactgcacaa	tgcggtcccc	gtcgacaaga	tgcgatctcc	agcacatata	ggcacattcc	300
acacgagcga	tacatacaat	acactgcctc	aaagaccaac	aaacaatcaa	ataagctaca	360
aaccggatat	caaactcaat	ccttgctggc	tgaagtaggt	ctctgggcac	ccgggggggc	420
ggatggccta	gggaaattat	aatcaaattg	catgccagca	aagcgcggag	ccttcacata	480
ggggctctga	gacaaaaa					498

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<210>      29006
<211>      512
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400002b05d1

<400>      29006
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agatggataa accaaagtag catttcattt atataatggt tcgtacggga caacggggaa 60
 gtgagatact gaattgtgta taatacataa ctatttgatt gtcacatat accaaactca 120
 tgtagatggt tgataacttc ctactttgct ttacctttac cctttccttg accttttttg 180
 gcttctaact tggcttgac acgtgcgga gcogetgctt ttgcttcttc tctcttcttt 240
 ttctcctcct ctttggcagc agcagctagc tctctctgct tcttcagttc atcaagccta 300
 gccctctcct ctgaaacact tcccaaactg gagcccttcc ttggccgaca ggcaactagc 360
 tcaacttcaa aaacaagtgt tgcacatgga ggaatatctg gaggagatcc tgcactacca 420
 tatgcatatt ctggcttgca agttattttt gcaacttctt caacctttat ggttttcact 480
 gcaatttccc aagccttgat aacactgccc tt 512

<210> 29007
 <211> 538
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400002b06d1

 <400> 29007

gaaattatgg tgtcatattt ttttaagagt tttaaaacgt tataatacta gaatagttca 60
 ctttttagca atatcaacgt ctaactcaat tgattaaact aaacattatt tcaaactcct 120
 gttacctttg ttttaattcct atatataaat aaaaattata tagattattt actcttttgt 180
 ttatcttcaa cttttattta tttgtcataa atggagacat ttgctcttgt gtaaattaaa 240
 aagtttctta gtacaatttg tctttttttt ttttgaggat ggggtggtgt atgaaaaggt 300
 gagatgttca ttaaatggac gtgcacaacg tttccttca cgatgagttg caagaagtgt 360
 tcatgaaatt gcgtctcagt ttccatgttt tctaattaac catgtatggt ttacaagttg 420
 agtaagccat tatacagatt aaaacaacct ccctattatt ttntgttcac attgcatcat 480
 tctaatttaa agggacttct gtttcaactt agtatttctt atcattccta gaaatatc 538

<210> 29008
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400002c01a1

<400> 29008

tcgatcttct tctttttcca ctctaccacc accttagccc agtccccgga cgcggcaccg 60
 accgacccgg ccacgccctt caccgcagcc gccccggccc cagcaccctc cgcacccccg 120
 acagacatca taagaatcct caaaaaggca ggagggttca caaccctaata cgcactcctg 180
 caggccacac aagtctccaa ccaaatcaac tcccaactcc tcaccacaag cggaggccta 240
 accctatttg caccaaacga caatgccttc tccagcctca aaccgggttt cctcaactcc 300
 ctcaacgacc aacagatgaa cgagctcatc cagttgcact agcttcccac gtacgtttcc 360
 gtctctaaat tcgacactgt atgcaaccct gtgagaacac aggcacgtga aaaccctgat 420
 aggtttgcgc atgacataac angcttctga cggaaccaag tgaacatgac aacgg 475

<210> 29009
 <211> 558
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002c01d1

<400> 29009

aaacaaaact tctgtatcat tttctattag atcaaatatc ttcgtttgca agttatacac 60
 aaattttctca taagtaatac acgagatatg aagtttttct tatagggggg ttgaagagaa 120
 ctagtagaac gaagaaagcc ttcataaaat caaatacaat ttccacccaa acctgaaact 180
 tgaatcatta gagagtaaag agaaattaag aaaaaaaca attatttaaa atcatatctg 240
 caaatgttg atcattcacc tttcaatcca cccaatatga taagccttca atatgcttca 300
 tattacattc tcaaaccctt cattgtcacc acgtaaattg tgccactaaa agtacaacac 360
 ttgcaaccca cataacatgc cactgtttca cgctgacagc atctgattca gcatcatctg 420
 caggagtagc agtgctgtcc acagatttct tcttagatcc tttagccttt tctggcgctc 480
 gaagccgagc gggaggctta gcttcgaaga agtccgagga agaagcaact tgtccacctg 540
 atacaccgag agctggtg 558

<210> 29010
 <211> 491

002220"ETTES0

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400002c02d1

<400> 29010

attagaatta cagatatacc ctttattgat aataaaaatg ttatgtttac atggtagaca 60
attatcatcc tttatcaggt tgcctaccct tacactttgg aaccttttaa atcatcaatc 120
acagcttggt ttttgttgat gcaacaatcg aaccataact ttgatggttt gagatctcaa 180
accacaaagc catgagtgca agtgacacat ctcgttcaat aaaaactaga taactaataa 240
agtatagttt gtagtaataa ataaataagc atactctttt aaatgaatct atacgtctgg 300
acgctcattc tgatcaaaaa tacgattatg gcaagtaggg ttgcaagggt aggcacaatc 360
tatctcacgg aagggccttc gatcataaaa ccaatcaccc actgcctttg caattgatgt 420
cttggccacc actggggagt catttctcag ccatgtctct tgtattccag tttggcagtg 480
tgcatagcaa c 491

<210> 29011
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400002c03d1

<400> 29011

ggcaaacgat atggcctttt gcatttgacc caatttatta ctcataaaaa tgaggctaag 60
caagagagat tagtttcaag aggcatagag tggatgaaag tacaattaca aaaacgagta 120
gtattctctc ctttactatt tgatatgtat tatgactaaa gctgttaaga aaaacgaatg 180
aaaagaattc cattttcacc catttactat cttggctgtg ggtgggacaa ggcttgggtt 240
gtgatggttg attctgctgt tgatgaagtt gagggcagca cgccttttgt ttacgacaat 300
ttagtttggg ttggatcctt caaggctgtc tattgacttc atgtattctg atgcattgtt 360
ttctatgatg agagcatcct ctaactcccg gacaatgtca accatgtttg gcctctacgc 420
tgaaaaaggt cttgactttg gctggaaact t 451

<210> 29012
<211> 474

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002c04d1

<400> 29012

cattgaaatt ctccatagag ttcccatgta taccctgcaa gaacttatat accataattc 60
 aaacataagt tgcacacaat gtgcaaaaaa ataatggacc aagcaatctg aagtctgaac 120
 aaagttcaga gtcaacatca acatctagat ataaaagtag tggcatgaaa tttaaaggcac 180
 tctgttttat attcagcata gactatattg cggcttagaa agagatgaga tcattctttcg 240
 atgacggctg cttctttgtc tegtgtcccc catctgatgc ttccccacct ttctttccaa 300
 aaatcatctc atcgagatca tccatcatgt catcattgct cctccctcg acaccagtcc 360
 ttgatccagc tggctttcga atcaaagcat cttctttact atgatagggt gactcgtctg 420
 gttcaacagc aacagggtatc atagctggtt caggatgaag tgggtagttg cagg 474

<210> 29013
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002c05d1

<400> 29013

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 gtaaaccaag ccttgtcaac ttgagttaag aagcgctcct tcattcaccta aaccgggaga 120
 cctttggatt tagataatga ataaacaaat tcggggggagg gaggcagggt aggggaaacc 180
 tctgtcagtc aggttcgaca atttactagg ctagaaacag aagacaaggc accaagcacc 240
 agaatttcct gggtaaattg tgccaatttt ttttttcctt catggacatg gtatttgcct 300
 gaggacagag agtcacatac atcatgttgc caagcccgtt gtcttataaaa tgggacacag 360
 attcttttagc attagccact gtatgatata gctgctatgg aaatcatggt cacaatcaag 420
 cgttccaata tcattcccat caccataatc ctactgcata cgacgtatat caagtgatga 480
 gaccaatgtg cacaagcatg cgggggatct aaataagtca gc 522

<210> 29014
 <211> 545

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002d03d1

<400> 29014

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acaaactgct gaaaaaagaa taaaatatag agaatacatt gacatagact tacatgaaaa 120
atacagaaaa ctgtatacag aaagcagaaa ctagcttccg tctaagagat gggacatcaa 180
tcttgtgtaa aggaaaattc taaccttagg caatttcagg attgtcatta tcaaccaaca 240
ctacatgtac atgagacaga tgagcaccat ttgaaaacac catcaagaag tcatgcttcc 300
ctgtttttgcc ttaaggacaa gctcttcagt ggtggtgcc aatgatatcgt tagcccgttt 360
tagcccgaca cattgatatc gaccaacaga atctcgagta acaattccca atttctctaa 420
tttctcaaca gcatcatcca catcaaaatt acattcctca tcaaactctt ctttgattag 480
ttcctcacac cattgatcaa gatcctgtct tgtagctttg ccctgttcca tcagaataaa 540
gaatg 545
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<210> 29015
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002d04d1

<400> 29015

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gagaatatac agattctttt tttgtgacat gaaaaatcct taggctagta gtaactgcga 120
tagcatgaca agtatcaaaa ttacaattaa gttggattca ttcgacttcc acgatctcat 180
ccaaagcata gttgtttggt gatacattgg catagttgac tttggtgaat cgaaccacaa 240
cagggtagcg agtggtgggg tcttgatcaa cagcaaccac tgaaccggtg cttttgtacc 300
agtaagattc cttcctaaga atcttcacct tagcacctct cttggggcca ataggtggtg 360
gctttggttt agcttcagct tcagctgggg gtgtggcggt ggcggtgcc gccgctgcag 420
gctcatctga agcctttaca acaaacctag aagtgttggt cttggtgttg aacatgacca 480
cccttgagtt tgttgtggca gctgcaaca 509
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<210> 29016
 <211> 378
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002d05d1

<400> 29016

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 cccaagaatc ccccccaacc acccaaaatc aaaaatttac ccccgatgaac cgaatataaa 120
 aaattaaaag ggtacaccga cttaaaaaac caciaaaggca aaagttccct aaaacccacg 180
 aatgccaaag ggccccctaa aaaaaggaaa gtaaaccgaa accccatgag gctcaaaaga 240
 aaaaaaaaacc ctacgtggaa aaaccgttaa tccaacctgg ccggaaaaaa ccccttaacc 300
 agtaccgttg gggcaaaca acaaacacga cccccgagg ataacaaacc atgggaaacc 360
 gccaaaaaaaa actcccc 378

<210> 29017
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002e02d1

<400> 29017

atgagaaatc taagctatat tttctagagc aaaaacaaga ctttgcaaac gctaaccctg 60
 tttccttgct tttaatagca gaggatagaa agtaaagctt acaggtttct atttttgaaa 120
 tacatgaaaa acattagtat aagaaaagtg tgtgacaata caagaaaaca tagaaaagaa 180
 ctaagtagaa ctggagcatg tttatgggtt agtatgttca gtctttcatc tctgtgtgtg 240
 tctgtggtga cattgaagat gaccttgatg acattgcaag ctccctggca acctgttcca 300
 tggtagggcg agatcgtggg ctttcaggca agcaagcaat tgctatcttg acaattgata 360
 tcacctcctt atcaataggg cttgttgggt gtggaagacg ttcgtacaat ttaaccatca 420
 atgacatatg atcaagtgtt gaggtcatag tggacgaaga tgatagcaat agagaagatg 480
 taacattacc aggggtgcttt tcaaacaata tttgcaacgc 520

<210> 29018
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002e04d1

<400> 29018

caatcaaggg cacttgggaa ataaatacta agggcagcca ggctccttata tgaagttata 60
 gcccaaccata atgataataa taatacaaga catcttaata acatggaatt caaatcttgc 120
 ttattttcat agtttatatc ccaaaacata gttttatcct tgaagaaata cttaaagctt 180
 tccatcccaa agtttttcca aggtcttgca agaccattt tcagatagcc atatgtcccc 240
 tgtgtattgc ctgcgttggtg gaacctgact gatcctctct aaatcctttt cactcagcac 300
 aaaatcaaat atgtccaggt tctgcttcat cctctcgctg ttgggtgcttt tagccatggc 360
 acttgaccct tgttgggtaca cccatttaag tgcaacctgg gctatggcct tcccttttgc 420
 ctttgctatt gcttggagga ttggattttt catgacagtt tcagagcccc aaaattatta 480
 taagcaccaa aacttacca 499

<210> 29019
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002e05d1

<400> 29019

ccatcatatc attcattcag aatcactttc catgcttccc atagccttca accctcttgg 60
 tctcttcttg ttacttttct tctccctaac ttcatatctc tcttggcaca tatcagtcaa 120
 ccacgccccg ggactcacca aaagtaagct tctttgaatg attttggccc tctttttggg 180
 tcgctgagga agcttgcaac ccttcatggc cagaaaatct tctcttttct ccttgcttga 240
 gagagtgatg tagagcttgg gccaaactag ggctcgttct tcgccgttga tgccttcgcc 300
 gccggtgacc ttgccgttct cttccgccga accccgcgtc gtgtagtacc ggctctcctt 360
 ctccggcgac gccgatttcc ttgtctcgcc ggccgatgac cggagaatcg ccccgctcga 420
 attccttgta aggcgattaa gttgttgatg atgatgatgg tgatgatgtt ctttttctgg 480
 cacagtgagg ccagagcgat ga 502

<210> 29022
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002f03d1

<400> 29022

ctgtgtaagc agcaccaaaa tagttttttt ttttccttta tacaaaatcc attaagctag 60
 ctaaattaaa aatgggcact ataatattha gtttathtac accgaaacca cattattaaa 120
 taatccaaaa catcacgcac catcatcatc atcttcttgt tcttgctcct catcatgttc 180
 tttcagatcc gagaggctcc tagacttgaa gctcccaaht cttgctctca tgtgatcaac 240
 ataagactta ggaacaaaa catgatcttg tttathtttct tctgatgaat aagaagaaga 300
 agaagatggt gacacthttt tgggcttctc ttctcttcc aaaaaattgt cttcatcttc 360
 atgaacaggc aaaaggggca tcgathttg gttggaccaa gcgtaaaaag aagathtttct 420
 tgtcaacttc gtggctatht gaacctact tctcttggtg aaagggttct cttgctcttg 480
 aagttcttca ctgcgttgag tgagttcact tgtgatagaa ccgtgaatga c 531

<210> 29023
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002f04d1

<400> 29023

aaaaacaaag aaaaaatctt tatttathttt gatagataat ggaatcaaaa tatataatta 60
 caacatatct attcacatgc accagttaag tacttggcga aaattacaaa catgtaactc 120
 atcataaagc tagtactagg ttacaatgcc aaaaacgaca ggaccgtggt caagaagcaa 180
 gcatagtaaa gaaacaaaa caacctttha aattcatcat aaaatataat ttcaacacgt 240
 acatgataag accaatcaaa catgaatagg agccaatatg ccttgcaatt cactgcatca 300
 taaatgccac aatagaaacc aacacagaag aacataaggt caccacagaa acagacaaaag 360
 caaacctgc accagtctcc atttgcatg tgggtgcaat ttctgattgt gccacagttt 420
 tggtcacgta aaacatgctc aaaaccattg ctgcaataaa aaaatgagct gcacagtctc 480
 caagttttgc catatt 496

<210> 29024
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002f05d1

<400> 29024

atggggggacc caaaaaaaaaa aaaaaaaaaa aaaaaagggg tcaaaaacaa aattggtggc 60
 cacaaagggg ggaaaacatt agggaaaaag ggggaaaacc caaggggacc gaaaaaggga 120
 ccaaaaaaat ggaatgcagg ggggcctcca caaaggccag gggcaaaggt cggggcataa 180
 gcccaaacct tgggggaaaa cggaacagaa aggggtcaa aaggggtctt aaaagggccc 240
 ttgccaagga aaaaagcccg aaaaatgaaa caa 273

<210> 29025
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400002g01d1

<400> 29025

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 taccggggcc tccatagtaa aagtaatggc cccaatcccc attactgcct gtttggacat 120
 cataacagtt cgattgctca gtgaagggtgc caatgccttt gggagccttg agattattgg 180
 agctatcaac cacttgaatg tttctgaagt agcttgcttt gccaaaaccc tcttcagggga 240
 aatgaccact tcccatttga gttgatgtgt gctgaccatc aggctcagaa ttacaactt 300
 cacctcccca ctcaatcatg gaagcactgt cagccaaata tgagaacagg aaagaaggcc 360
 aataccccaa tacatagtca tttccaaatt gcatccacca gtgtccctct ttaggatcct 420
 tccagataag tatactgata tcgaatagng agtttcggtg tgcagaaact gangaaatgg 480
 ttgcacca 489

<210> 29026
 <211> 535
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002g03d1

<400> 29026

gataatgaat agagaatact acattgctca tcttcatatc cacatttgaa aaagtaccca 60
 tgctcagttc catatttgtg aagataacaa caattctcaa gattccatcc ctattcttac 120
 cggttaccct aatgtaagga aaacgataat ttatagtggg atttggttaga agcaaagtgt 180
 tatctgcagt tggaacttgt cacttgggcg gacaaagggt cagggagcga attatagaca 240
 gacaaaaccc ctacgaacag ttgacacgag aaaagatatg gcattaaagt aatttctcta 300
 cataagcttt ttatatcatg gttgagccaa ttttgccaaa ataactaagt ctaaaatctt 360
 cacatccaat gtgtcatcta cctttacaat tccatccgta ccatctacac caatcaactt 420
 gccggttgca ccacgcaatg cccaccccat aatctttatt ttgtctgatt ttcttggtac 480
 cacagcctcc atttcattag gaagggctgt aatcgittca ccattaccac ttgat 535

<210> 29027

<211> 501

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002g04d1

<400> 29027

ctcaaaaaat caaaatcaaa atatataata atactgaaga attgcaccgt ttgacaaaa 60
 caaactcctc gccttctcca aatcattact ccagagaata acgtaaacag ataacaaaag 120
 ttagaataga atgaaagggg tacaagcaag cagcacttct tcccgaggaa taaaacagct 180
 atctttttct tcaataaccc tatcaaccaa acaatttaga agcactttct atgaacaatt 240
 gatggtcag actcgtcgta ctctgccttc gcaatccaca tctgctggaa ggtgctcagg 300
 gatgccaaga tagaacctcc aatccagaca ctgtactttc tctcaggagg tgctaccacc 360
 ttgatcttca tgctacttgg ggctaaagca gaaatttctt tgctcattct atcagcgatg 420
 ccaggaaaca tggttgtacc ttctgaaagg acaatgttac cgtacagggtc tttctgatg 480
 tcaacatcac atttcattat g 501

<210> 29028

<211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002g05d1

<400> 29028

accagacggt tctttttctt tcatttatgt attagcattt acaacgagct ttgagattct 60
 acaaaatgca ttatagaaca gaggtaaatc tcaagtccta tggagagact acttgctcaa 120
 ttaaaagtca aaaaggaggc aaacgctcga accagtcagt ttcattctcca agcagaagag 180
 gtggccatat gtctgttcat ccagccaaga taaagagcac catctctatg ttcaagccta 240
 taattttgac tgaactcctt tagaagattt tgggtagcaa ccatcactga agaactcaat 300
 tgacactggt taaatccagc catggaaagt cttgacctcc actttccaaa aagttcatgc 360
 ctttccaccc tctcaacccc ctcaaacgct atcatgttga ccatgtctcg tgccacgcag 420
 tgctgctctg cgctaactct cttcttatca tctctggggc aagccacatc tatagattca 480
 aacattgcag tataataatc 500

<210> 29029
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400002h01d1

<400> 29029

aaatacgctt tatgggtttt atttattggt ttttgggatt cgggcgttca tatttttctt 60
 tactaagcta ttaatttgat gaaatctgta caataacaag ggccaccagc caagtagtga 120
 taccatagta ctacactatc agcagagata ttgttcaatc tcagtaatga gtctgaaaga 180
 aacggtataa tgcattccaa ggtatatagt ggttccgtaa actaaaatgt ggtgcccag 240
 aatctaagct aggctactta aagtcatttt atttaaaata gtctgttata atctgagcac 300
 tgactccatt acagggaagc tcattctcaa tagaactgca tatgcataac ctatgagcac 360
 acgggacacg ctaggatggt gggggcat 388

<210> 29030
 <211> 476
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002h02d1

<400> 29030

gagattacat ttcattaatc ttgaggggga aacattacat aaaatcaa ataatcaatcg 60
tctaaaagat accaaattgc attcaacaac actataactt tagacagcaa aaccgagcga 120
ctacctcaa aaaaatagca agaaagcact tcaagtactc aataggacac aactctcagt 180
ggcttgagag gaaaaatttg actatggcat tttcatacag gaatatgttg tactaatgta 240
cataaatcac ctaagtaaaa gaaaaaggta aaacaaagat gtgaagccac caaatcgact 300
tcaaatttaa gccaaaaagt ggtccagatg gtcgaaccat accttcctca attgaaggaa 360
tgaaacatga aaaccgcacc aataattatg gagtgctggg gaaaacgatg ggttttgtgc 420
atcaccttaa tgaccctga tcattgggct tcataaacca tgaggaaagt tattga 476

<210> 29031

<211> 540

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400002h05d1

<400> 29031

gtaaaagcac taattgcaac caattgttcc agtttcatag tagtaacca aaaaacatga 60
aaagtgaagt acaaatgcat ggtgagacac agctaacca agctactaaa acaagggaca 120
gagcaaacia gtagaaaata ctaatgagca ataccaataa ataaaagcaa acacaaatcc 180
gaccaacaaa aactaatgac cccaaatgaa gattgtccta atgaaaatag aattttcatc 240
aaaacttatc tgccctgtcc cttttctgtt catgtgcttt caaatgtttt tgttatgggt 300
gattggtcct cacttggcca tcatgacttt gacaaaactcc tcgtagttga tctgcccac 360
accatcaacg tcagcctcac gaatcatctc atcgacttcc tcatcggta gcttctcacc 420
gagattggtc attacgtggc ggagctctgc ggcagagatg aaaccattct gatccttgtc 480
aaacacacgg aaagcctcct tcagctcttc ctctgaatca gtgtctttca tcttgcgcg 540

<210> 29032

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400003a01a1

<400> 29032

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ttggaattcg gctcgtgccc tttaactcta cattctctcg acacatgctt tgctagatca 60
caggttgttg gttaatagtg ttctgtgtca gaaaatgttg tgaatgagag atgtgtattg 120
ctagcagttt gactgcacag ttgaattagt atgctactaa agggattctg ctggatgtca 180
aatgatgttt aagatttgat atacagtaaa aagaaattgg agactatgga agaaatacag 240
tctcaatcag ataattatag atcttcgtca tcgtcggcaa gcagcccggc aagtaagggt 300
ccatcaagta acttttttta cctgcgtaaa cctgggtcac ttaggcagtc catctctttt 360
gaggattcac ctgagtggga ggatactgat attgatg 397

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<210> 29033

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400003a05d1

<400> 29033

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gtcactctag aacatcatta tttctcaatt tatatagctc tttaaccata attccctgga 60
tacaacatgt atactagtgt atacaccata ttcaaagata gctaataaat acttgactgt 120
ataattaata tcacacaaac gttaaagtggc aatatatagt gtaaataatat ataagcttaa 180
tttatacaca gaaaccatga gtataaagca tctttataca aaatattcaa caagaattta 240
ctttattacc acatcattat agtaaaatgt catgataaag tggtgaaatt ctattgaatg 300
cttgtgtcaa gatgttttta taggatcaaa gtgtgtatat aaattaaact atatttttta 360
atcaatatat atatattgat cacacatttt atatatatat ataagagggtg cttacaagt 420
tggataggca ataccacaag aactaacggt ttttttgga ttaggagagt taacatactg 480
cttcaagcta ggg 493

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<210> 29034

<211> 561

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400003a06d1

<400> 29034

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caaatcaaaa ctgagaattc aatctataaa taaaacgaaa ctcaacaaca tttgtcttat   60
ccgccaccat ataaccccc cggaatgtcc aaccatagta acagaaaaac acaaggaaaa  120
ggctacaacy tatgaagaac aacctaaatt tacattttta ggcatagaag tcaaaataat  180
aacccttcta attcaggaaa tccaattacc aaagtttttt tcttgctttt aagtccaaat  240
ccaagaaccc aaaattgaca aaaaaaggac agggaaatgt cagaagggtt caggaaaacc  300
tcacttgcca cccaaggatg ggaagtgtcc aggatcctca attgatggag ctggagcatt  360
gctgtatgca tttccactgt aacctcctct agaaccacgg ccacgtcccc gaccacgccc  420
accagggtag tacctttccc cttcagctgg cttcagaaac tcagtgatgt tgacagactt  480
cttggatttc tctccttct ccaaagcatt tttgcgtta tcttgtcag atcccaattt  540
aataaagatc tcatcatttt c                                     561

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<210> 29035

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400003a07d1

<400> 29035

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aacctgaaat gatgtgtttc aatagaatat ctccatctgt tcaatctatg caaatataat   60
tcacaagaga atgttttgtc ctagttctta tacacatgtg ctagctaatt taattcattt  120
tcagtatttg taagcaggaa agaatcatac aaaaaagaat taagagtcca attcccaaga  180
caaaagacca gtcttatagc aagcgggtacc aaaatctaag acttatctat ggtatcattc  240
tagcataaca cctgcagtac caaacgagat aagttataga accagcatag aaagccaata  300
cttctattga ttggcgcaag tttaacttta agggacacaa aaaaaataaa ggctagcatg  360
ggtgtcacac tatgccccta taagtcaagg tcaactgtcat taaataatct taagcaacct  420
ccaacttctc tactgatata aatcagcaat caaacttttc cctttctccc atagactgct  480
tgggactttc aaattgcaca ggtgtcacgt ggatattcta cagttgaagg attatcaccn  540
atatcataat                                     550

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<210> 29036
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003a10d1

<400> 29036

agacccatca taataggaca tatatatata tatatatata taggaaaaca tacatggagg 60
 aactggatc tagtaaagt cctgaaaagt ataaatacta tatatatattgt tcaaaacaaa 120
 acgacttatt tctaattatc agcacatcat atcatatggt ggatgtgctg tattgacatt 180
 tttatatatg tacacatcga catgcagtca ttcatagaaa gcccaaattgg cactttataa 240
 tgaatgtgca aacatgaaga gatactagta cataaataaa atttcacttg tagttattaa 300
 tttatttatt gtaagaattg atataaaaca cgcagtagca cgtactttgc aacgatacta 360
 tttgtcatct cagttggatg gaaagagtcc caaaacacgt atttggaagc atctgtgcaa 420
 ctgaacattt ggccctgct gcatgcataa cccatcttaa acattgcagt agcacaacac 480
 gccactgag 489

<210> 29037
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003a11d1

<400> 29037

gacatggaat tgtttccatt ctcaaacc aa ttagtacaag tacaactact gaattacaac 60
 aatattccttg acattcttatt agcacaagta gcatcatatt tagcataggg caaagcatta 120
 agaaaaagca gtagtagtgg tgtaaatcag gactctgac atagaagttg aattggacca 180
 aattaatcta tcagagccga agatctaagt caattcttctt aacatctgat gattcttgct 240
 ttggcaagtc caccggaaag ctacctggcc aatacaaata cacagcttgt tcaagcataa 300
 aggggtgtcca tgatgatgcc actgatccaa ttccaacccc attattggca tcattactac 360
 tgaatctagc caccatagca gacctttctc tgatagggtt gtgcacaaga gagtgaggct 420
 gaattcccag tgacctagat gccagagaag tgtaagcaag cccattctg tgatgatga 479

<210> 29038
 <211> 371
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003b01d1

<400> 29038

gagaaaataa ggtggaacat taactcatag agtttgagca agcacagtgt caaggactag 60
 aaaatcataa aggttctttt tgaagtctgc tggttattca atcatatata cttttgacaa 120
 ccttttgatt tgcacagaag ccctatctta tctatgatga ttagtcagca gtccaactct 180
 gtttaacaat ctacgtact cttctgtgta ttcacgcttg gtttactgaa catccgagca 240
 gtttcagaat ttgctgggtga atttggggtt ggatcacaca gcattgactg gattgaggta 300
 agaattgcag ttccgccata aatagggctc ccctgatttt gtaaaaggct caagcttata 360
 ctgccttccc c 371

<210> 29039
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003b04d1

<400> 29039

actctctaata ctctaaaact atctcattat atcagcttac ggtcacattt ttaagccat 60
 cttataactg ttcagcaatg gcttggagga acaccgacac atttctggga aaaaaaaaaa 120
 aaagcgggtgg attccacgta cagctgtaga cagtgggaat catatccaat acggtagcaa 180
 aagactccta actataagca acatgcatca aaactagggtg gattcctgat gtcctgaat 240
 cctggtgatt gaatattgag gacatacatt atcacatagg acgtatcacc ttaaggagag 300
 gatctgttct agcatctaata ccagacaagt aaactagaat ttaggaattc aggtccaaat 360
 ctacacatta aatgtcacca agatggccta acagagaact aggaactaca agtaaaatac 420
 aagcacctac catcatacat aaagagtgc accacctaaa cgagaactag caggtttata 480
 aaatatcgca atgcatg 497

<210> 29040
 <211> 581
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003b06d1

<400> 29040

ggaccataac ataattcatt ggatggagag ctagccatgc acaccccata gatcagattg 60
 aaagactaca tgccatgtgg ttcttgtact gagtgggttg cattcgcac actcatccct 120
 tccctagcta gactttttat tagaccacta aacaaagaaa agacatgcat ggagcaacaa 180
 gacacgatgc aactaagaaa aaaataccct ctcaaacact cacttaaact gcacatttcc 240
 cctcttcacg ttcttttact ctgttggagc ctctgtgtcc gtgactgtga cctcctcctt 300
 cttctcagcc tcagcttctt caatcacttc ctctcttttc ttttcagctg acccttctgt 360
 ctcaaccttc tcctcacttt tctctgccgg ggctcttcc tccttagctt cagcctcagc 420
 ctcagcttct ttctcttctt taatattaac atcttctgca gcttctggtg tcttaatctc 480
 agcaggatcg gcattttctt ttgttccctc agcagcttct tgcttctcaa ctgtggctct 540
 gtgtgatgtc tcagcacaac ttctttgcc a ctcttagtct g 581

<210> 29041
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003b07d1

<400> 29041

gtacaataat aaatccatat ttttataatt aaaagtagta gattacagcg atgcacttga 60
 gaaacatatt aagtggacta attctccctg gtcaagcaag aaaaaaacca gctatgacct 120
 aaggtagaga gagattatac acagaatact agtaattaac taagactggc tctgcaattg 180
 ccaaaaaactc cattgcagta gcagccacct gagaagacac taagacctag actagaccat 240
 acataatgaa gattaatacc cttacataac aacataggac actaagaaaa cacggcttca 300
 cagagaatcc cagtcgatct cataagaggg gtacttctgg agattaaaat tatccgaatc 360
 accttccac tgcggctcgc tgacgtcagc gaaagtcaga accgaaagcg gcgaagaacc 420
 ttcagaagag gaggaag 437

<210> 29042
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400003b12d1

<400> 29042

aagttggaaa tctctcaatt gatattttta ataaaaataa caaactaata tctgctcata 60
 aaaaaaaagt aaaattggca tgactaagct tataatataa tacgatttct tattctttcc 120
 actgtatgta ccactattgt aatccagacc ttgcaatttg caattctaata taattaattg 180
 acccttctgc aattgcatct gatctctccc ttcttcccag tgagaggctt catgttcccc 240
 atcttgatca tggaagcttt aaaatctcta gcaaaaacca aagggttct actatacagt 300
 tgcaccaatt tgtcactttc tgtgcctttt cccttgaaca gctcttgatc agaatggaga 360
 agaccctttt tgtgcagcaa attcgtgtaa tatgcagtgt caactctcgc aggagtagca 420
 tcaaatggat gcaagtagtt gtctcctccg cttcgcggac atgtcttntc cgcagatgct 480

<210> 29043
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003c04d1

<400> 29043

ggggggcaaa aaacccccca aaataagagg aaaaccccaa aagaaaacgt ctcacccccg 60
 gaaggaaaac cgaggggggg ccacaaaagg ggggggccac cttggggagt gaaaacgcag 120
 cccgaattcc gaaataacgg acccgcgag gggggcccaa aaattttcaa aaggggcacc 180
 aaaaaaaaaa ggagggggcc agggtaaaca aagtctggac ggggaaaacc ctgggggaac 240
 ccaaataaaa agccaggggg aaaaaacccc ttatgccac cgggggaaaa accaaaagg 300
 cccaaaccag gggactttcc aaaaaggggc cccccataa gggaaatagg cccacccccg 360
 gagggggcca aaaacccccg gggggggggg gg 392

<210> 29044

<211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003c05d1

<400> 29044

gtgttgggtt tttttttttt aatactttat ttttttattt tttctatcat ttataaaaaa 60
 taacccccca aaatgagacc aaagggggaa accaaaaggg gacaaaaagg ggaaaaacaa 120
 accaaactta ttttaaaagg gcttcaaaaa cccaatacaa aacaaaatga atctctaaaa 180
 agggggggga aaaaccacaa aacgacaacc caaaaaaac acttgcaaat aaaaaccccc 240
 caaaaaaac ccccccaaa gggaaaaagg cccccctctg gaaatcaata cccggggggg 300
 gcttccaaac cccaaagggt ctccaacaa aaaaaacccc tggggggggc gggg 354

<210> 29045
 <211> 297
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003c07d1

<400> 29045

atcttgaagc atcaggccta actttaattc ccaatccgaa tagttgatct tataaaagtt 60
 aagtacacc aaactttgct agtttttcgg gtaacactcg aagggaacct taatttagat 120
 ttgtgaaaca cactcaaggt cagaataaac ctctatagtt ataaagttct cagcactcat 180
 ttaagagatc atggaatgac ttatcaacat tcaggatgcc tgctccaagt ggttcagtgg 240
 atgctcaaca cttttggtgg ccttataact gcgcaattcg cctggtcaaa aacggct 297

<210> 29046
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003c08d1

<400> 29046

atcgtgaagt atcaggcctt ccttagaagc agagtaccta ctagttgccc tcaaaaacct 60
 taagctgacc aacactttac tcgtgaatag catcacccat gtagggaacc ttgaacccca 120

tcttcttaag actctcaagg aaaggggaat cctcaacagg tatcaagctt tcaccagtaa 180
 tgtatgagat gacgtactgc cctaccatca tcctggatgc atacaccttg aggttgatta 240
 tatgatcacc acttttgggtg gactgatacc tgcgcaattc accaggtctt gaattgctct 300
 gaagattcca tggaatacca tgttctagaa tcttagataa ggcttcatac aactagtt 358

<210> 29047
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003c09d1
 <400> 29047

aacgacaaag caagagacaa cgagttgttg gctcattcat ttggaaagat aaacatcaaa 60
 caagagacaa cgagttgttg gctcatgcat agcctaagat cacagtagat tggctctgcta 120
 ttttagctat ataagtctgc atctatgtaa ttgttaccag ctatggatat gagataatac 180
 agtttcattt atgatataat cgacttttat taaagctagg atcttggctc agcttcacat 240
 tctagacgag gttaagtcca ttgcgtatgc tacaaaggct gcatgttctt tggtgaaaca 300
 caacgggggt ggaaattctg aagacattct catagtagcc acccttacca atgagtactt 360
 ctaattcttg tatatggacc attacatgca gcgattcacc t 401

<210> 29048
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003c12d1
 <400> 29048

gggaggaaac cggcccaaaa ggaattcaaa ttgtacagga aataccatgc ccccaaaggg 60
 cccaccctaa aaaagtgttc cctaaaaaca ggggggcgga aaataagggg gcaagaaaac 120
 acgggcagct ttttaaaaaa aaacagggtg aaacagatgg aagggaaaaa acaaacata 180
 actggggcctt aagggttttg caaaaaggcc ttcaaagcca cctttttttt tttgggggca 240
 tgccccaaaa cttttgcttc acacagtggg ggaggggggg ggccccccca ttttgtatcc 300
 ccccttttg ggggttgat gaaccttac caacgggggt tatcttgggg aatcccc 357

<210> 29049
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003d04d1

<400> 29049

acgttataaa tgaacacata gctcatgaaa gttacgaagt atacagaaaa ggaaaagcag 60
 cacagtacaa tataagttat atatagtgat aatgggatac aaggaatact aaatctgtgt 120
 cactccatga aatatatata tatatatata taacagtcct tgtaatatct tccaatgtgc 180
 tatcatctct gtctaaccat gattctatca agattttcaa gaccctttaa tcaagttgca 240
 acgaacaaca atcttctgga aatcatcaag gcttagcttt ccatctccat cactatcgaa 300
 gtagcgaatc atatcaacta actctttgtc tgtccataaa aaatcatgag ctgtagctgc 360
 cctttgtata tcccttacac ttatagttcc ttttcctgct tcatctagct ggaagaagtg 420
 tacaatgagc tcatectcag tcagttgcag ccgactagca tacgattttt tgttcttctt 480
 tcttccttta tcttcttgaa catga 505

<210> 29050
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003d05d1

<400> 29050

gaagcacaaa ttctttcata tacgtcattc catagcataa cgagaaaata aaaagaacag 60
 aaagaaaaat tacaaaatct gctgttgcta ccaagaaatt gtgactataa tacacacatc 120
 atgtaacgaa gggatgtcaa ctaaaatatt aatgacatag gctgctggga agtgtaataa 180
 actgatcaag ataaaagcta ccccatgaaa gtcctaatag cagcgtgaat tgaactagta 240
 cgagcagaat ttctcttctg tattagtgag tgtgggtccac tccagacaga ctgactattt 300
 tgggggaaga gaattccaca taaacttgaa agcttggtgt ttttactata taagctctca 360
 aggagcttag ctttctgctg tttatcttgt gacccttgt gtttcttctg ttgctggact 420
 gtcgcagatt gaccttcttg atgctatggt ctatattcat catgtagagc tgggtgcatca 480

ccaacatttg atttctcttt caggttccac catgttttaa aggttcattc atctatccct 540
tctggctggt cattcaatct ct 562

<210> 29051
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400003d06d1

<400> 29051

gaataaataa acataacatt tgcaaaacca agtttcttaa acaagctaag atatttctca 60
ataagttttt aaagcataaa acaacataaa acttggatgt gatgcattta gttattcatg 120
cccttctttg ctttgaggga ttcaagagcc ttgttccgca attcaatctc aagcttcttt 180
tgctcagatg gtgtaactac actatcactt tgatgataat ccattcgttt agcctcctca 240
tcacctgaaa tatcatctgt ttactcttc attttcagct tctccgcacg ccgttcttcc 300
cttctgcgtc gcttctcttc acatcttcga cgcttctcct ccttctgcag cttcttctcc 360
tcttttctcc tctctttagc ctctttcttg tctcttaact cagaatcatc actataatcc 420
tcatacagaag atgtatactt tttctcagac cttttatgcc ttttctatc ctttccctcc 480
cgtctatgct taccactatc ctcaaaaaca gaatcatgtg aagcattgtg attgacacga 540
tcaccttt 548

<210> 29052
<211> 508
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400003d11d1

<400> 29052

cagaaacaga tacttttttg aattataaat acagcctttt gcaacaacta attaacgtta 60
cgtgagatga gaccacacca aggaactgaa atggaatgac atgaaaccaa agcatcacat 120
atccattagg actaatactt aatctcacta acattaaaac atatatagag accttaaacc 180
acaccatata tatatatata tgataacaat taacacataa ttttctttca ctctctagtc 240
tttggccaaa cacttggata gatatcaaga tgcataatca ggcagagaaa ttaaaacctc 300

ttccaattta ttaacactta gcaccttggg aagggagttc cacaagtgct agcaactctc 360
 cttgcattag gagagtcaac aaacttcttg agattggggg tcttgaggta ttggcagagg 420
 catggtttct gttctttgat cttggagcag cataagtttg atggaggggt tgagaaggta 480
 ttgcactaca catgcactta gctgcact 508

<210> 29053
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003d12d1
 <400> 29053

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 actcccttac aatttagaaa atgtgtaagg gggatccaaa accatagcag gagaagcatg 120
 taaagaacac gcgaatgaaa atccgaccaa ccaaattgca aatatgaatt tgcaggggaa 180
 gataaggtta ttaaaaatgg aggttctacc ctaggatgct acggcattgg attcttcac 240
 atcaagaaag gggtagtcag tataaccaag aaccggatca gaagtgtaga atgtctcccg 300
 gtgatacttg ttgagagggg cattgagagc aaatcttttt ggcaaactcg gattagccaa 360
 gaaccaacgg ccataagcaa caagatcagc cctgttttca gctacagcgt tgatcccatc 420
 ttggcgggtca taacctcctg cggctataaa agtgccattg aaggcctttc tcataggcac 480
 caggctatga gggcattca 499

<210> 29054
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003e04d1
 <400> 29054

aagtaaagag acacaacata attaaacatt cagcagcata atcataattc tgtgagcttc 60
 aaaaaagatg ataaagtgtt catcactaca tctgttgcta gactttaact atccttccat 120
 gcaacatgcg gaagtgtcta tgtatgactt ggtaatagta gttttcgtga ttgtttctta 180
 aatttattga acctcgacaa aaaaaaatat tgggtaataa acttccaagc aacctaaaaa 240

acatgggttta tagagtaacc tacgctgccc ttctgtacag tttgtaagcc acaacaacaa 300
 ctgctacagc tccaagcaca ccaacagctg tgcgaatatc acgctgctgc agttgaggcc 360
 aattcgaaca gattttgctc cccttcttat gtgtttcagg tgtttcttca atctccttgg 420
 tttgctcaag acttgcaactt ttgcaacaag aaacttcatt aacaccctgg caacaaccac 480
 ccacgttttc tttgct 496

<210> 29055
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003e05d1

<400> 29055

gggaaaaccc ccacaacggt tggaaaaatc cccctggccc ggggccc aaa cagggtccca 60
 aaccacctcc gggaaaccca accagaaaga aagggaacc ccaaccaagc tgattccccc 120
 ccccttaaa aaaaaaaaaa aaccatcgaa ccttttaaaa accccaccca tttaaaggcc 180
 ccctcccccc accagaccaa aaacagggcc cacgggaaaa aaaaaacccc ggaattgggc 240
 ccggggcctt tggggaaaaa ccggcccgaa cagggaagg ggaaacctct tgggccgggg 300
 cccctggggg gggggaaaca gcgccaaggc cctgggccgc caccgaaggc cccggggaaa 360
 aaaagccctt ttggggggccc cggggggcct 390

<210> 29056
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003e06d1

<400> 29056

ggaacaaatt attattattg ctgggctttg aagggtgat atttcttgag atcttgagcg 60
 aggcccttga tggaaccagc agctgagata atagaaacga tcaagcaagc ccagcttagt 120
 atcttgagcc atgtccacgt gaaggaaaac ctttgcattt ttgactgctt aatggacatt 180
 tctatgggga agtaaacggt taatggccaa aaggacagtg aaccaatcag gcctaggaag 240
 tcattgaaaa atggaaacat catagctatc aaagcagtga tgatgacata tgttggtctc 300

cacaccaccc tgaaaaagtt cacaggggaag gttccacata gtggaaagtt caaagcgtgt 360
 tctccattta caaaatggct atttggccac ctttccttac cccagttctt tacgaacca 420
 aatatgggct ga 432

<210> 29057
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003e08d1
 <400> 29057

attgaaaaac attatgcacc tagaacttga taaaagtcta gaacaaaact tatcaaatta 60
 tacatgtacc aaaaaatcac aagctatata aaattataact ttgttgacta gggtccttgt 120
 attctaacac tatcactggc acacacaatt gcaattagca ggtaactcta gtttaaaagg 180
 aagtcacaaa agttggaaga actatgagca atcttcaaga cttccaagtt gagttgagac 240
 attaaactctt gaatctagtt tgtgcaaaac atgtctgttt ggacatcagc tacatgttgc 300
 ttcttccata tacttggagg tgcccacttg ccagctttga acttgccata aaagctggat 360
 cgcttagaaa caacatagaa gactgggatc ccaggaatga tgaaattagg ctctttgaga 420
 aca 423

<210> 29058
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003e09d1
 <400> 29058

cgaagaaaat acataattaa attaaatgat taatatcaag ggaagctggt cattactatc 60
 tccaacaaaa agaaccaagc cagtatcca tgattagggt gtctacaagg atcaacaat 120
 gtggatcatca gctaattgat acctttgata ttggccaaga ccatagcaac ctgaacatcg 180
 acaagaatct tgcacccaac attcatccat gaccacacgt gtaatgcatg tcaaagcatt 240
 tctgttgggt ggagtgcagt gtttatgact ctcagaccgg gagagaagaa tgcatttata 300
 tctacattaa tatgtacaaa tggattgcgt gaaatttaatt ttacaaagca tgatttgcgt 360

tttcttccag aaaaatacac tacacattac agtgagacac attgacctac aaatggaacc 420
 tagttcttac tgtccactct cattatcttc atcctttttt gtctccaaat caaattcaaa 480
 ctcagcatca tcatacaagt ttggatccaa ctgaccaaca 520

<210> 29059
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003e10d1

<400> 29059

gaaacatgaa aggttcaaca aatactattg ggggcccttt ttgttcaaac attaaacccc 60
 ccttaaactg aaaacaaatt taaaaaaaaa agcccagtaa cttttgacaa gggttttacc 120
 catccggggg gtttttactt ttgcatatgg ggctaaattht aatgggttaca agggatggga 180
 aaatthtttaa aatgaaaatt gcataaactt acaaccaaca gttaaaaaaca aatcctaaaa 240
 ccctaaattht aagccattht tgcattgata cctgattcca aaaaaaaaaa gccctthtgc 300
 acaaattaaa tccctaccat gtatctthtgg ggatatatgg gttgtaataa aaagtaacaa 360
 ccctgccgtt taaaccattg gttthtcacac t 391

<210> 29060
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003e12d1

<400> 29060

gtagtctgca agatgataat ttcccacgga aatctthtgaa ccatatgtca agttatacac 60
 gcacaattht tttgaacttht gacagaagaa atgcagtagc atcacaccta taatthcctt 120
 ttcacaaaag ggaaaaaagc caaatcact cgtgctaaat gatatagaag caacaactaa 180
 aacaacagag tgacaaaaga atacaaaaaa taggattaaa ttgaatcacc gcacttgcca 240
 catgcatcta actgthtgaa ggcagaaaga aagcagcgca tgctctgaaa gaccaaatag 300
 tthcaaacac atgthtctgaa agacctgatg aatgactthg attaccaaaa attgtggcct 360
 atgcagcagc cactgacggt tcctthtgctg tcaagthtga aacagccaaa tgaaattht 420

ctctagtttt agtactagca acatgtccag cctttgccac cttgctaaaa gcaccgttaa 480
 accatgcatg ttcagcagtc acata 505

<210> 29061
 <211> 438
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003f08d1

<400> 29061

accatcaaaa caaaaaacag tgcttatcaa aaacaaacag caacgaaaat gttaccgccg 60
 atcaagaacc cagttttgaa ggctacggct acatgaaatc ggcggacact ttaaaatata 120
 actggtaaaa caaacaccta agactttgca aagataaact actgtaaagg aacaagtttt 180
 tttgaaacca cgttgatgat cacatgtgct agcaaaattg ccaaaatgca atcacttttt 240
 cttggcggca gcctttgtga ccttggctcc ggtggggtct ttcttctcaa cactcttgat 300
 gactccaaca gctacggtct gacgcatgct ccttacagta aaacaaccaa ggggaggata 360
 ctgagagaaa gtttcaacca ccattgggctt ggttgaacc catttaacca taccaggatc 420
 accatttttc aaaaattt 438

<210> 29062
 <211> 368
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003f09d1

<400> 29062

gaaacataaa aggtttacca aaaactattg ggggcccttt ttgttaaaac attaaacccc 60
 ccataaactg aaaacaaatt taiaaaaaaaaa agccaagtaa cttttgacaa gggttttaca 120
 catccggggg gtttttactt ttgcaaattg ggctaaattt catggttaca agggttgtga 180
 aattttttta aaagaaaatt gcataaactt acaaccaaca gttaaaaaca aatcctaaaa 240
 ccataaatat aagccatttc tgcattgaaa cctgatacca aaaaaaaaaa gccccattgc 300
 acaaattaaa cccaaccat gtatctttgg ggaaatatgg gttgaaaaaa aaagtaacac 360
 ccctgccg 368

<210> 29063
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003f11d1

<400> 29063

gacaaaaaaaa cgacatttta tttatcatgc attagacaat aacagcagca aaggccctat 60
 cattctctac actcaaactc acaagttttc acaaattcaa taatcctaaa gggatatata 120
 tcatatatga aattttatfff cttctttttca caaccagaaa gagaactcag tcccccaaca 180
 gggaccatgt catgtcatca ttggctctgat atagattttac tcccccatte gaatgatgca 240
 tctgatggac tccccctttca gcatgtaatc aaaagccttg ttaatctctg agaatggaac 300
 tgtgtgagtg atgaattttct ccagttccaa ttccccatte atgtacttct ccacaacaga 360
 aggaagatca gtgcgggggtt tgtagtttcc gtagaaggta cccttttagag ttctctcgtt 420
 caagaaattc actggatgta gtttgaatgc atcatctttg tttggcactc caacaagtac 480
 agctacaccc caacca 496

<210> 29064
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003f12d1

<400> 29064

gactcaaaaa tattctgagt ttgattacct gaaaatctac attagttaag aaagtgcac 60
 aaatatgaaa agaactacag agggaagaag aggtggagaa aatatatgtg caaggcctcg 120
 ccaaaatgga aaaaacaatc taaaagataa accagaagat aacctattct atgataaact 180
 aagagatata atatctgcat cagacagaaa tctaagcaat tatctcggac actctttttc 240
 taacattatc tctatgggtg actgaaattt attaaaaata ataaattttg gtgtatttta 300
 cttctaaatt aagatagaga atcattaaac cagaagtatg actcaccaaa attgattatt 360
 tccaatgaat ttcagccaat aatagaatga gtgttagaaa ggaagtgtca gcaagtgtgt 420
 ccttaattaa cattcttctt acgagaatta ttactttcaa cacaatca 468

<210> 29065
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003g08d1

<400> 29065

aacaaagacc gaaagcagat gtatcaactc atctatttta aaacgtatat catacataat 60
 gggaggacct ccctctcata tactgtaacc aatgcggttc tgtaaaggct ttattaccaa 120
 aatacttggc tgcaaccatt taaacaaaat cggagtaaaa cagaaaaatt agcccttttg 180
 taagtgcatt gtacaaatct gaagtagcat taatttaaag attttttcgc cctaattgcc 240
 aagttaactg atcagtagct gccatagccc gagatgctgg accaatggaa ccttcggacc 300
 tgtgaaacta aaagatgact attccgagag agtaaagtgc attaatagtc catgataaat 360
 atgctgaatt tgaattatat gcttacagag caaccaagat ataagctgct gtttgtataa 420
 caa 423

<210> 29066
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003g09d1

<400> 29066

ggaacataga ttgagatcca gtgtatatga tgggtaaaac aatcaatatg atctttatatt 60
 tagtccaact tggtggcaca ttattaaatg cagtcacacc gtcttcata tgcacacagc 120
 aatacaaatg gactcagatt ctttacacat tgagctagga atgcaaaaac agtttctcta 180
 atcgaagtgg gggcaaaact tatgaacaaa atagtacatt agcacttata ctcacaaaac 240
 accttaatta agattgggag gggagcggag agaaactctg caaaacttct gatccactg 300
 cttagaacat ttgagccaaa gagtataaag acaggttaca aaagagacaa agaataataa 360
 tgaatgtagc atgaggacta taacttcttt tacacggatg catgttcaag ccttcaagtg 420
 aaatttgcca ggctcagagt atttcggttt cagctgctca atttgttaaa tttaaacccc 480
 cgat 484

<210> 29067
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003g12d1

<400> 29067

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agcataaatc ttgagagaac attttttttt gtttcatcat ataaaatata tatgttctga   60
aagaacacat acaagtacac aaaaaaaaaag ggggaaattc ataaaaaaat acagaaaaaa  120
aaaaacagaa ttgagtaaga gggaaggaaa catagagaaa attttagcaa tcagataata  180
agaagccagt agtagtgcaa aagtccttg ccaagagtgt tggaaccctt tttagttaag  240
caggtacctt ctcccccttg agtggcttca ccacttccca tgtgaagtca gggtcattctc  300
tgccaaagtg tccatatgca gcagtcttca agaacctgcc atttccaccc ctcttgagat  360
caaggttgat ggagatcatg ccaggcctga agtcaaaact ctcttcaca atgctgaaga  420
tttccttgtc agggatcttc ccagtgccat aagtgtcaac aaaca                    465

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<210> 29068
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400003h01a1

<400> 29068

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cggctcgagg caacaaaaga actaaacttg acaagcaagt tgatgattag tagagcctat   60
catgattcat tgtttatggc caggctgtct ccaatgggca tgattttcat tccatgttac  120
aaagccataa gctgaagag tttgccacca ttcaagatat gtcaaattgg gtaaaagtat  180
taacactcac cctagccaaa ttgtccagtc actaacatct tctgtagtga gttcatgtga  240
actttttagt gaaaaggaca tgtaatttac ttctgttaca gcctactgat taaatcattt  300
caaattttgg atatacccc ttcaatctat cagaatgagg ggttgaacca tacaanttga  360
aacgtggttc tantagaacc actttttaca ggagtaaaat gataactgcc tgtg                    414

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<210> 29069
 <211> 307

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003h01d1
 <400> 29069

ggggtatatg caactggatt ctacaatata attagttcct ttgtctttta aacactccga 60
 tgaaataaaa ttcaccgttg tgactccttc cacaggcagt tatcatttta ctctgtataa 120
 aagtggttct tatagaacca cttttcaaata tgtatgggtc aaccctcat tctgatagat 180
 tgaagggggg atatccaaaa ttgaaatga tttaatcagt aggctgtaac agaagtaaat 240
 tacatgtcct tttcctacaa aagttcacat gaactcacta cagaagatgt tagtgactgg 300
 acaaatt 307

<210> 29070
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003h04d1
 <400> 29070

agaaaataac cttttttaat ttataggaac aattcaatac attgacacca ccaatagtat 60
 gatttaccaa caaaagctaa aacgctagtc attgagaaaa ataaacaagt aactacactt 120
 ctttgatagc agttcccctt cccatcttaa caccattgcc ataatacatca ttcttcacga 180
 atctggacca aaaggggtgt gccttccaaa cctgggtcat tttttcaatg ggaatgccct 240
 tggtttcagg caagaagaag tagatgaaga atgtcatgat caacacgaaa aaggcaaaga 300
 agatgaacaa gccgaacttt atgtggcaaa gcattgtcaa gaagacttgt gcaatcaaga 360
 aagtgaaaaa catgttcacc gacacattta tactttgagc agccgaacg 409

<210> 29071
 <211> 51
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003h05d1
 <400> 29071

tttgtttttt ttttttttat tttatatttt tttttttcag ggatatttgg a 51

<210> 29072
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003h06d1

<400> 29072

agtatcaaaa gtttaaaaaa tagatagaga ttgcaatcga tgaaatgagc aaaatagttt 60
 taattttctca ataacaaggg gttgcaaaat aataaaatat aactagcata aaaaattcag 120
 agagaaacaa aacattccaa cattgctgaa acataaagct ttaaataccta attctcaaac 180
 tagaagagtg atgttccctt gcccttcttg gcaccaccaa tctcaaaggg cttgcacctc 240
 ttaatagcgt gttgggagac atgcttgcaa ccctggcatt gcaacctcag aacaatcttc 300
 ttggggggttt tagccttctt gtggaagacg ggcttaattt ggccaccata accggattgt 360
 ttgcgaacat aacggcggtt ttcttgggca gcaatgctat ccttaccctt cttggattgg 420

<210> 29073
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003h08d1

<400> 29073

aatagttcca ccggatttct atatcttcat tgccttaaag aacaatattc atatttttgt 60
 aaaactaaga tacaataatt aatcagctat atggttttta tttgaaataa tgtacgtgtg 120
 actctttctg gaatgattga tattctgtta ttgcccattg caatgcatat gatcaagatc 180
 tgcatatatg cccaattaa tttttgttgg gtgtctcaga gatctccata gcagctttga 240
 acatgacatc ataggctttc tctatgcaa acttgaattt ctgttcatca acgaatccct 300
 ttagtgttct caagggtgatt cttattactt tcacatagct cataattgat atgtctacat 360
 tctcaggtcc accagtcatt gtgaaataca gaccacttat tggatgattt gccaaagtca 420
 tatgttccat tggcccaaaa ggttg 445

<210> 29074
 <211> 465

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003h09d1
 <400> 29074

ctccacgga tagattgatg tccagagtac atgccagttt atgaatccgt tcacccagac 60
 acttttagata cgtacaactc tttactgttc catgcacata gtatatatac atagaaacga 120
 taacttttta gctataagca caactgtttt tcatatcttc atctttattg caaaccacga 180
 cgtaagtgcc gtacgactat ttccgaagca tctgctcctc agcatgtcat gtctggagaa 240
 agttaccttc aaatatgaga tgctgaggaa agatgaatta acagaaacaa acaagagctc 300
 aatttaaagt tgaactagca taacatgcag ctggagtatt gccatcatgt gaagatttct 360
 ctccactagc ttgaacattg ttatgggtgc tcacccctcc catggaacta tcctctatat 420
 gattatgata tgaccaagaa gtccccagc tctatgattt tacta 465

<210> 29075
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400003h10d1
 <400> 29075

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 tactgatgac taagggaaaa gcagggggaa aaaatacata aaatgaactc caccaaggtc 120
 agttacagac agatttggcc agcttaattg tagctttatc aggaatttac ctcagttgct 180
 caaacctgtc agattctgca agaagacagc taccatcttg cactggctct aacttgaatc 240
 tataatgttt atttacacgt tcaactgcac cctataagtt gacaatccat ttgcagctaa 300
 ttgcctgcc ctttaaaaaa atgctatgct gacatccctc cttttctggt ttcagattgg 360
 cctctattaa caataaaatg ggtaaagagg attgctctac cactaaacct gaccttgtag 420
 aagacaacat tagcctggct ctatttgact tttctttttg caaagattgg acaagaggat 480

<210> 29076
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400003h12d1

<400> 29076

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gttctaaaat acatgttgac ttattgggtg aaacaacagt acaacgcttc aaatgcatgc 60
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ttattctgat caactatagc agaaatgtgc taagacgtca tagaaatgca tttatttata 180
aaaatacatt agtgggtggaa atttaattgg tatgacaact agatgggtgat tctgtagtaa 240
tacaaagaaa tggctcacga attggcaaag aatgggacca ggtggatccg tacatagctt 300
ggttgttgat agacatgttt gatgtgtggg atatgatgct tatagagatc atttgggagt 360
actgcctgcc actttgatcc agagaatggc attgttagga atgggat 407
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<210> 29077

<211> 386

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004a01d1

<400> 29077

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caatccaaaa tagctgagat caggtaatta agaaaatata cttttgctag ctaaaagata 60
cattccgtcc agggagaacc aaaaacaact gtttaggcta tgccgtcaag aaattaattg 120
gttctctcac taactcattt aaccattcat tcaaaagggt ccaacaacta tgtaaaaact 180
gaccaccatc agaataatat catgatctag cctccaaagg gtctgattgc aaatgcacta 240
at ttgccaat gattaacgct ttttcttgct tccctttgca ctggat ttg aagg tgaagc 300
taccaagttt acgaacagga ccatgatgga gatcactgag attagagatc catacttagc 360
cagcaacctc ttagcccatt caaact 386
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<210> 29078

<211> 377

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004a04d1

<400> 29078

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gggggggctaa agatgagttt atttcattaa aagcttcaca aaattcattc gacatgctaa 60
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aattacagtc gaacaggagg gaatggaaaa tgcaaaaaac tcataactta cggcatggga 120
 catttgattc tgaaaggaca taaccccggc taatttgctt ataacaacta atgctttcgc 180
 acgctttaaa tactcaaagg gtttatcttg ggtgattcca aaattacggg ttccaacaac 240
 tttggcaagg gagggagcta ttattccatg ttttaggaat tggcttcctt agcacgatga 300
 gaatttcttg acaggagggg aaccctcact tcatttcaag gtttttcaac caataatcaa 360
 ggggggtggg acacatg 377

<210> 29079
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004a06d1

<400> 29079

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<210> 29080
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004a08d1

<400> 29080

aaaatagaat tcccatatgt ttttaacta aaagggaaaa caggaagggtc tatgtaatta 60
 agattcatga tatagcacca tccactatta ttttaagacgg aagaaaggac cagttactac 120
 tattcagaaa tagatgatag gagtcatcac ctttgaaaag ctgattggtg caataacaga 180
 aataccaaca taagtctagt acaagattat gaaaagaaag cgcataatata aagtttctga 240
 aggtgagcta gattaagcac tagctgaagc cacatgtttc tgtattttct gctgcagctc 300
 atccttcttt gctccaccca ctttgtccag aagcgttccc tctttcacia acacaaaagt 360
 gggcatagcc tcaatagccc aatcttgaga aacactcttt aattcgtcca catccacctt 420
 taggaatatg acacttgtga acttctta 448

<210> 29081
 <211> 442

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004a11d1
 <400> 29081

gaaaataaag gggccggggc cggaaaatat cttaatcata attcacaaat tatcatttaa 60
 attacatgct aatcaattat tggggctcag gctcactggc cactgagttg gactctcttc 120
 ggccgagtc actcagccga atcatcgccc aaaacaaaac caaaacaatc gttttcaact 180
 aaccatcact tgccacctgc ttaacaacaa tatttttaaat aaacacaaaa cttaaattca 240
 gttttataag catgttttagt accgttcatt gattaaaatt gaactaaaat tacttacaaa 300
 actatgtttt gtctcgctt tatataacag acatatataa tgaacactac ctgggttcac 360
 tcatttggtt gtatttctat taaactaaat ttgatataat ataataattt ttattacagt 420
 aaacccatga aagcccaaac ct 442

<210> 29082
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004a12d1
 <400> 29082

aataacaaaa taacatacat ctgaattagc tttttgtgtc taccgaaatc gttcctctgg 60
 ttaaaatctt atagactaat ctcttgtaa ttagtttttc tacgtacact tatggtatct 120
 aactgaacga cgggtcccaga aattagcaca aaccttctgt ctttaacaaa acatactcag 180
 gaaaactaaa ccaaaaaaca accttgtttg agcaaacaca ttgaacatat ttcaatttat 240
 aaacattatt ttggctttga tcagtattat tgatctcccc tatcaaaaaa tgagggacta 300
 agctcctatc aagttctcca ttgttatgat tgggacacaa aatcaggggc tgtgtcaaat 360
 caccttcata taatgcatta gccgcaacct gaaatattaa atgtgcagct ctaaaactaa 420
 aactgaagct gccccaccca cactact 447

<210> 29083
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004b02d1

<400> 29083

cctaaagatt tgtagatggt gaaggccatt cttaaaactc ccaaattgac aatattgaga 60
 ataatattac aaaacccaac acctcatttt tttttaaca tccgtaagac ccccaaagtt 120
 tataggggag taatctaata caatttgctt tatacccat acaatgttca gtgaaagggtg 180
 aaggagcagg aagccaaaga tgtaaacgga attttaaatc gtactataat agatagcaac 240
 tttagcaac aactacgatt atgtaaacag cacagaaaat atggttgatc cataattata 300
 caggaccata aatggttatt taagaaaca atcacccaaa cttgagatat ttggcttaga 360
 tgagaggaag ctaacgagaa aaatagcttt acttcagct gaagcctttg cttaccacct 420
 cacaagaatt tttctatgct tgaaggcaat gttgctttgg gcacagctcc aataac 476

<210> 29084

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004b03d1

<400> 29084

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 cagagaaatg ctagttgcaa tgcgagaatg tctttatatt aggtcagact gttagcttaat 180
 ggacatgtag agaagagcta atagagcacc ttggggaagt ggtgcatacc ttgcaaggta 240
 tgagccaacc cacaaggcca ccacaactag tgcgacaaca ctactactgg ttttcccgca 300
 aacccaactt gcaaatgaca agcatagtgt tagcaatatg ccaccctcc caccctaaat 360
 ccatgctatt acatagccca ttttatagcc ggtgtctaata ttcttatcaa acaatgccat 420
 cagactgctg aatgtgagtg agaaacggga tccaagcgtc tgaagcaaaa ataatgacat 480
 gaat 484

<210> 29085

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004b04d1

<400> 29085

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caaaacaaaa tggcataaca taaactttcc aggtaacata atcataacat tggagggggg 60
ttataactcg aaaacagcca acattgcctt ttttttaggt ttccccaca aaacccaat 120
tttttgagc atgtggcctt ttttttgggg cggaaaatta ttatcataaa gcttttaaca 180
aaagggggag tccttgtcca ttataaagta ataggggggg ccacaaaaca tggatctctc 240
actaagttcc ccattggccc ctgctgaaag cattgcaaaa gctgcctttg aagccttttt 300
ccatggaaca aacggtttct tcaacctttt tagttcacct tttattattg aattggctgc 360
tggagatgct ccaggtggt gggccccct cgccgccttt ggggg 405
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<210> 29086

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004b05d1

<400> 29086

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gaagcttaac aatcttcaca ataaaaaatg cattagttga tacaacccat aattccctcg 60
tacaacctat aatagattca taaatcatta agccaacgaa cgttcacaat aaaactaatt 120
ttaaacccaa aataaattct ttaatgaaac caaatattta acatgattct agatgatgga 180
acatcaaaag aaacagagac gaggggtgagt gtgagggaga tctgtctttg aacacaaata 240
tgccaaaagg agagaagggt gatacactat aaatacctac cctcctactg tgctctgttt 300
ggggctgatg atacttggtg cattagtgtg attagaaata taggcatttg ggaagctggg 360
gtttcaatgg aggtgatagc aaggtaaaga ccaaatagca aaaaattgta atcagattga 420
atcgaattaa cctaaccctg accactgcaa caaatatggt cctaatat 468
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<210> 29087

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004b06d1

<400> 29087

aagcaacaac attcagaagt ctctcttatt tagtocacga gattggatat gggatgagaa 60
 gatgattttt caaccatcaa caaagaaagt ttacattatc aaataaactg agctactaag 120
 gagcctgaaa gatcagctta taccaaattct gaattttaac acaagggtcaa acagccatga 180
 tacagactta ggaagggcat tctcacgcat acaaatctat gcccacaaac acagctgggt 240
 gattgggttcg atattttcta tctatacttc caatgagctc catgtcctct ttagacaact 300
 caaaatcgaa aacctgaaag ttctctttca acctctccag ttttgacgat ttaggaatga 360
 ccacagtgtt cctttgaatt cccacagcga ggctgatctg ggcggcagtc tttttgtatt 420
 tttcagccag acctttgaga acttggtcat ccaaactga aact 464

<210> 29088
 <211> 219
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004b07d1
 <400> 29088

agaaaaatat aaatcccccc cccaaatgga aacaccacag tagaaacatt taggggtctt 60
 taaatgttaa cccaaaccaa acttttttta aaggggcatt tcacaccct taaacataac 120
 aattgttctt aaaaaggggg ggaaaatccc aaatcgaccc tcaacaaaaa ttacgtcctt 180
 ggttaaaacc cccagggga ccccaacccc cagggccag 219

<210> 29089
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004b08d1
 <400> 29089

caaacagaat atgaaatata ctatagctat ggtatgtaaa caagggtcaat gaaattatag 60
 aataccccac ttctatagta tttgggtattt tacaaggcag caaattttat gtaaataatt 120
 aattttacat ttaatttaac gtaagacaca ccacacagaa gagtgggata aaggactgag 180
 agcaaacctt gtcttggttg ttcttcaact gcaagggatg aggatcatgg ggtctaattc 240
 tgatgttctc tatacaactt ccattattta ttcgatgtaa tctatgcttc tgcttcctat 300

acttctcacc tttatctttg acctttttgt tcttcctctc atgatctcta gactgggttct 360
ctaatttggg cactgcattt ggtagccctt tctggccttt gtataacaca tcagcacaac 420
acgtcttttt aaaatcaaac gtgaattgga actattcagt tttttttaaa aatatga 477

<210> 29090
<211> 488
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004b09d1

<400> 29090

aactgattca accttttttc cttttattag aagtgtatcc cgatttgact ctttgtgtag 60
caagcaaaca aaccctttgt gtccattctc ttgttacaaa tgctaatacta aagaatcaca 120
aacaaaaagg gagacaaaaa agaagaagaa tgcaacatcc attatggcca ccattgttct 180
taagttctag ttcttgcagc tcttcatgta taagtgaaca tgtgcgtgca attgtaggct 240
tgcttctca ttttcattga actgctgaga ctgacagaac cccttcccat tccagaataa 300
agcatatagt gcatgaagat acaacttaag aaaggaatga ctgagccgag gcagcttcag 360
caacggaatc aactatctct aagtctcaga catccatcca tgcattgtgca agaaaactcc 420
cttcatgtgg ttggccagga acacgtgaag aaaaatgctt ttgggattag aactaatatt 480
agcttaaa 488

<210> 29091
<211> 350
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004b10d1

<400> 29091

cttgttggtg tttctttttt tttttttatt ttatattatt ctttaatggt catgcaaaca 60
aaataatatt tggaaagggg gtctgcgccc ggggggggcc caaggaaaaa aaccccccca 120
aaaaaaaaa aaaagggggc cccacaaaaa aagggggggg aaaaaccggg gggggccggg 180
gggaaaaaaa aaaccctggg cccgggcgga attccaaaaa aaaactocca aaaaaaaaaa 240
acccccaaaa aagggggggg gccccccccc acaaaaaaag gggcgggccc cggggcttaa 300

caaaaaaacc ccccccccc cctggggagc ccacccttag ggggggggga

350

<210> 29092
<211> 376
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004b11d1

<400> 29092

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atatttttac agccttaaaa ttctaatagat agcttcaatt ttttccaaaa atgattgaat 120
aagattaagt taagggtcaa catctaactt tatgcgcgatg gcccgaaatcc atatttcatt 180
cgacaactta ggaaactcaa gatattttcc taatcaatca acattgggttc cccatttgta 240
gtctgaattg gggccctggg gctctgtagg cttaagggtt tcttcatttc ctgagacctg 300
acaaactcct caattcttgc ttttagctca tcggcgggaa tcaacatata cccggtaaga 360
tgagaacggg tgaatg 376

<210> 29093
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004c05d1

<400> 29093

attgaaaagc atagcaacac ttattgagac caaaaactga tacatttctt acaattttta 60
atatcagttc acttttaaga atgcccctat ctctgtgctt ttgcaacaag gtttaccgga 120
aacaatgttc accctcaaaa agaaaatagg agagaagaaa ataaacatag tttaacttac 180
attaatacaa aacgatagat tgcacccgca aaaatatctg ccacaatgcg accaggagcc 240
gaatgctcgc aaggggggaa cttggacttg tcatcaaagt gaattaactg ccaactaaac 300
actagccaga aggaagattt tatccaaggc caattactgg tttatgcacc ccttcatct 360
tcagagaagc gtttcttctg gccgtaatat gggcaccagg ggttcttgca aatctgagtt 420
tacgggaaac agattacact ggcgatattg tgccatcaat tgggtccaca gaaccaaagc 480
taccattgcc tctacatag gtacagctct tgggacaaca c 521

<210> 29094
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400004c06d1

<400> 29094

agaaaaagca aatgcttttta ttcaagagaa acaactgtgc attacatttg atactgctct 60
 caggactatc aagaacaaag agcatcatca tacagttgac gaaggtgact gcaaaggtga 120
 tgtcaagaca gccaatTTTT cagcaaaaaa accagaaata aaactgataa cttcccattg 180
 aacacaagaa acaaattgctt ttactcatg agaacaacg agcacttggt ttccaacatt 240
 gcgaccgcta aaaaggccaa ccaatgctga aggtccattc tcaagcccct cagctatgtc 300
 ttccacatac acaaccttcc cctctctgat atttggcagg agaaactcca agaacttggg 360
 atataggtga acgaaatcca tgaagttaaa gccttgcaaa cgaatccgct tatatatgat 420
 ctgtgccaaa tntgttacac cttcatgttg agtaagatta tactgtgaga tcattccaca 480
 gacgggtatg cg 492

<210> 29095
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004c08d1

<400> 29095

atgacaacca tggggaaaaa atttttatth gagaggataa atttgtcacg ctaaaggaat 60
 gggatccacc tctctagaga ggaaaatatg atacacccat gttggtaccg gtttaaccatt 120
 ggtcaccttc ctcttcaatt tcatggagtt gaaagctata tgcttaaaat gaatcttacc 180
 ggagataaga atgtggaaat aatgtttggt tcgttaacca ggagtagttc gttagtcac 240
 cctgccttaa tgagatttga ttcttactgc tggagattag ccctgattgt tatacgtcca 300
 gacgaggctt tcatgcaata ctttgagttc aagatatcac cagagagcaa attt 354

<210> 29096

<211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004c10d1

<400> 29096

gataataatt taacttttaa gagaacttca tgatcatcaa ccatccaagg atttaagacg 60
 aaaggaacaa gtacaaccct cgaaagtga ttaggaagaa aacacaagga aggaaaacca 120
 tacacagaag aagattccag agaaattcaa taatacacia tttttttttt tttattttca 180
 tttccccccc tctagtagtc agtggtggga agctgctcgt ggggtgtggct gataaagaca 240
 acctcgtaaa caaggccagc gattccacca ccgatgagag gcccggccca gtagatccag 300
 tggttggtcc aggtccagct cacgacagca ggcccaaattg tcacagcggg gttcatggcc 360
 gctccagaga aggccccacc caacaaaatg ttagcgccga caatgaaacc aatggcgatg 420
 ggagcaataa ttcccaaatt acccttcttg gggatcaatgg cagttgcgta 470

<210> 29097
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004c11d1

<400> 29097

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 gttaaacttg tgggatcatg ggatgtttta catatttcat gctaataact tgtatcgagt 120
 ctgtcacatc ctgccacacc gtagtgattt gcatactaac cagagcaaac attcatgtaa 180
 aaataaaaaca ccatatacac aggatttcac cagatacagg tagtttatac ttacatatta 240
 cacacagaca caggctgcta tcaagaatag ctagctattc gttacaagag tacatgtata 300
 acagttactg cttaaaataa agctcaagaa gcttcttcaa agtgtcaaatt acacttgatg 360
 aaggattaag ctcaataggg gcgttgagtc ctacatcagg aaattgggtt gtaagtgcct 420
 gctgcattcc agacatagac atcatagctg cccactgact attggacatt ac 472

<210> 29098
 <211> 498
 <212> DNA

002250" ETTES60

<213> Glycine max

<223> Clone ID: jC-gmst02400004c12d1

<400> 29098

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tgcaacttat tagctaagggt tattaagaaga aacatgcacc ttcacgtgga aacaccaata 120
acaagatgaa gcctatcatt ttccgggttag gttaggtggc atacaaacag attaagaaag 180
aataaaatta tagcataaca atacaataat aagaaaaaga tgacaatcga ccctgcgtcg 240
tggaacatct tcaattaaac gaccttcggt cattgtttat tgtcatctcc gaagtttcat 300
tgtttctcctt aacctcagtt ttaaattcgt ttttggttgt cactttgcat ttgtggtgct 360
tgaagcatgt taatagggtg gtcattaacg aggctgcta cttgcatgaa cgaataaact 420
actgttggtc ccacacattg gaaacctcta cgcacatgt ccttgctaata cacttcagct 480
ttcggagtct tcacgggt 498

<210> 29099

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d01d1

<400> 29099

agcgaaaaag aagtgtaaaa ttaaggtaca gagttaagc aatatttgtg gcataataaa 60
attgacaata ggtacatgat atcacatgag aatatatagc atataaagga agcacggggg 120
atgatgatga tgaagataga gttgtgtgct cacaatcat agggctgctt gccagtgaac 180
ttgacctcaa taggactaac attcttacca atagacctga agttttgacc cacccttggt 240
cgtccggcgt tgaccttctc agggtaaaca ccaccttag ggtgcaaata ctgaacctcc 300
ccattaggga agacctgta gaactggtac ttgatcttgt acttggaact gagcctagtc 360
ccaagagcca agcactgctc cttcctggcc aac 393

<210> 29100

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d03d1

<400> 29100

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gtgcagatta cttatttctt cctttctgct taaaatatca tacaaggcag caagtgctga   60
tcagcattga gcaaccacaa taaatattcc taaaaaacct ggctccatat ctctaggtga  120
aaagtgtgca gataaagtgt atatgtaatg caatttctgc aaactaccaa actaactgaa  180
taattcccat tccattccac actgaatagt atggggaact gttaaagtgt taccttcaac  240
aactacatga atagttttca tagagcacat gtgctagaga gagactactt atcaggatca  300
aagacatcaa acaaagcctc aactttacag ggtaattagt gttactttct tgtaaaacat  360
acaagaaaag ccataaatt taggcaatta aaacaggaca aaatgcataa atagaatgct  420
catgtttata ataatacact tcatatcagg gtcataaat tgccattgct aattaatat  479
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<210> 29101

<211> 502

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400004d04d1

<400> 29101

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cggcacaaaa cttcagactt tatttgatat gaagttgcag atttcattac agcatataaa   60
gaggtggata ttgcaatggt tataccccct tcatgaacta gaagttcaga ggtggatatt  120
acaacgttta ttggattaag cagactagaa atcacacaaa cattaaggga aacgtgcttt  180
tggccataga tcagaatcag acaatttggt ttttaaggaa ctcaatgatg agctggttca  240
ccttctctgg aatttggttca tgcacaaaat ggctcccttc tggaatatat atgatttcca  300
agtcgggcac aaaatttttc accatcccac ttcgaatata atcctccatg cctggaaagt  360
tgataacata atcttttctca cccatgatca gaagtgctgg aactgtaacc ttcacgtcac  420
ttaagccagt ttccacattg agactcctgt aaggagacct gcatgcatat ctgaatccag  480
atttttcata tanagatgca ta                                             502
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<210> 29102

<211> 519

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d06d1

<400> 29102

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 aaatgtaaag aggcaatgaa tcagtcaccc ataacatacg acaataggta acaacaacaa 120
 aaaattacta aaatacaacg tataaccattc ttgtaaagta gctagacagt aaatacaata 180
 aatgcactaa aatcaaggaa atgtgctgca gaatccagac tccagatata gtcacaccta 240
 aatgtttgct gtaaaattct taactagaag ctcatattgta gggtcccata ccgacaccag 300
 tctcgccgcc agcataaggt tggaagcttt cccttgccct tgagtagttg atatagtaga 360
 attcagagat tatggcagtg aagaaaacaa aagcagcacc ggcagcaaag actcccttcc 420
 taactgtttc gcaagacgga ggattctccc cgaagatggg cctgtacttg gtgtgatagg 480
 cattttccac tgatccagcc aacaagcaca cctcagcta 519

<210> 29103

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d07d1

<400> 29103

gaagtaaata taattttattc aaaccaagag gaacaggcaa atgaccatag taatttgaac 60
 cctcctggaa ccatcatcct caatacatac ataacataac ccatagaatt ctcgatcct 120
 ccgcttggca tgcattgatg ctgacatgga gccaaatcag cagggcttat atatatatat 180
 atatatatat atatatatat atatatatat cggaagcca tacccaaaga cttaccatta 240
 caataataac attaataata aataaaataa aaatgcaaga aacttcatct acttcaataa 300
 taccgtatcc atgggcttaa gcttcagtct tctcaacaga aacttggtgt gttttggttt 360
 cctcaacggt ttcagctggg ttgatctcct cttgcttctg ttcctccact ggcgctgatt 420
 cggtttcttt a 431

<210> 29104

<211> 465

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d08d1

<400> 29104

cctgggattg tattttcttt ttcaagtcac caatgttttc tctgatgca cactgttcag 60
aagacactga caatgtacca ctattaattg cgcagcttg ctgctctagc tgcttcacct 120
tttcttgcaa ctctctgttt tcagaacact tatcaattag ctgttcctga aggacacggt 180
tgtctgcaga ttttagctcc aactcaaagg ctttttcatt acattgagtc attaactttg 240
taactgtctg ctgcatttca actagcgatg aattagccac aggagattct tcagtctcaa 300
ttaacctttg ttctaacacc ctcatagct tcttttttct ttggatctca cgttccaagt 360
tctcaatctg aattttggag ccttcagggt catttacaga ttgctccatc aagcgcttca 420
gagtgtctgt actgaaagca atatctccgg ctagcatttt gactt 465

<210> 29105

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d09d1

<400> 29105

ccccataatt tgcttaggct ctctctcccc ctctctgatt tcgttcaatc tctggaattt 60
gatgtataat ctagtaacaa agaatatctg attctttttt tattttattt gatgtgtgat 120
agttgttgat gtgggtgtgc ggtagaattg gcatggagcc ggttacaatt cttgtccttc 180
gtggccaatg tggatttgc acttgctgct attctctttt tcttagttaa agctgccagc 240
cttctcaatt ggtatttcac ttctcaaaa tcatgttgca ttgttagat tactgtctct 300
gctacattca tatgcttgat ttccgatatt aaactgttca tgattgaatg aaaaataaat 360
tcattttggg gaaaagtact ttgattaaca cattgcttac aatctgaata catgttccat 420
ttcctacaat taatctctct aactatc 447

<210> 29106

<211> 483

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004d10d1

002220"ETFE560

<400> 29106
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aacttaaggg gggaaaaaac tcaactactcg gggatccata atgtcaaaac agaaaacact 120
acaatatggt tataagatat ggtaaccgaa tagaaatcca gcatttccat ccaattaaca 180
aaattatgct ttgaggcgct caaagaactt ctgcttctcc tgtgtgggtct ggaagcgacc 240
atgcccacaaac tttgaagagg tgtcgataaa cttgagcttg atctcctcca gagcaacacg 300
agaagtctgc ttaaggaggg attggcgcaa tgtaataacc cttttcttgg gaccaacgca 360
gcatcccttg accatgatat aatcatcctt aacaacacca tagtgaggga aaccacctat 420
tggggtaatg tctttctcgg tcctatcaaa ctcaagtaaga gcagagtga attcatctcc 480
agc 483

<210> 29107
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004d11d1

<400> 29107
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atatgaaaac atcaccagga gatgtatggt actataagac atatttggtg gccaatagaa 120
ttacgacatg accatgtgct tgttcccttc cctaatactg ttggtcggca aacgattcat 180
aaaaatatta gactaaagct attaaaaatg actaggacat gtgtttggca gcacttcac 240
tttctaattc ctcatggatt acgggcggtta accctctata gggactataa aactgttctt 300
gacaatgcta aaacaaagcc cattaaacat actagtcttt gctcttgctc catacagggg 360
acatttgtct ttgtccgaca ttagaactca caactgcact tccattttcc acattcatca 420
gaggatcaga ttcattcttct cttgcctggg atgattgaga tgcagcttcc acagtttttt 480
gctgattctc gagagtgcaa tagtaagaat atagaatcat cccaatcatg 530

<210> 29108
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004e01d1

<400> 29108

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ggggttcaaa cactcgagaa ccatggacga aaaatggagg gcaaaaatgt ctgcaatcag 120
aatcaacaaa gagccgagta catcagcaag tatataataa tccaaaaact ccatccccta 180
cacagaagag acaccaaaaa aaagcttaat gtcctaaca gggtaacaac accggttccc 240
gaaaccgatt tattcatact tctcattttt gcccagacaa gaagacacta aatcgcagct 300
agacaccagc acataatgtc tagacaagct actttttttt cagtacaacc ttaaaaagac 360
ttcttggtcaa cgaatacaag caggtcaatg a 391

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<210> 29109

<211> 419

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004e04d1

<400> 29109

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ccaaagaggg gggaccccc cccctttttt tttttggggg ggggggggag aaaaccccc 120
caaaaagaag aaatagtggg gggcaaaaaa aacccccaaa aaacccccgg ggggggggta 180
aggaaaaaaa aaaaaaagc cccccccct ttgggccttt ccacaaaaa aaaaacgggg 240
gggaataaaa aaaaaaagg gggccccccc ttgtttttt tttctgttcc cccggggggg 300
gggggggaaa aaaaaaaac ctctttttta tataattaa aaaaccctgt ttggcggggg 360
ggcccctttg gggggagccc ccccccccc ccacaagaac acaggggggg ggggggggg 419

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<210> 29110

<211> 442

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004e05d1

<400> 29110

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agaaaaggaa aggggtggaag gagatgcatt tatttaaata gaagaaaaga aggctaaatc 60

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atagaggtta tacggaacct tgcaatccta aagtaactga tatcatggga tttagtttct 120
 ccatggacag caaggtccgt caatatcctg ccaataaccg gagccatctt gaagccgtga 180
 ccagaaaagc cggctccaag aaccacatcc ttcccaaagt cccacccaa gaaatcaatg 240
 aggaaatcct catctggcgt catggagtag atgcaagact gtttgatgac gggctcagt 300
 gattcaacca tccccttgaa cgtaaactcc acccattctt tgagtttttc catcatcacc 360
 gctgctcccc acggcctctt atccgggtcg cacgggtccc ccccgatcac accaacctta 420
 atcagccccg gaaactccaa cg 442

<210> 29111
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004e09d1

<400> 29111

gaagcttaaa aaaatctttc acaatacaaa aaatggcatt atgggggggag ggaacaattt 60
 attttccttc gagattatcc tagatacaaa tgaggcttaa tctgatacag gccaccttaa 120
 aggtgacctg caaaagggat gtcaagaccc cataaaattt attctaaaaa ccagaaatta 180
 aactgataaa ctttgctatg ggcacaatga aacaaaagct ttttacttat gagaa 235

<210> 29112
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004e10d1

<400> 29112

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 tcttaatgtc aagttcagcc aaatccaagt cagttaactg catatatgct tgggcccttc 120
 tatagagggc tttaacattt gtactctcga ggtctaacac cttggtacac aatttttctg 180
 cttccttgta gtcttttaac ttcaacttgc aagcagcatt gttaagattg caggcaacct 240
 tcaaggtctt ggctgcttt ttctcctcct caccgaatga ggaatcatat tctatgtact 300
 ttacagcctt ttcatatctt ttggaagctc ttgcatgctt accagcttta aacaacacat 360

ttccttcttc tttcttctta ccagcagctt caagtttctc ttcagtgttc aaatcccagg 420
actc 424

<210> 29113
<211> 353
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004e12d1

<400> 29113

aaaagcccca tgataggatt taatattagt aacatttgaa catttttagca attctcaaga 60
atttcaaccc caactaaacc aaaacaacca acagtaaagc atacaaaaat tgggggggttc 120
aaaatggttg acaaaagaaa acagcccctt cacttgcaaa tacttttttg gggcctgcaa 180
atttagctgt attgaattca taaaggggca acaggggtat ttgattgggc tccccattca 240
ggccaagatc catcataaac tggaacatca gactttttta gacgatgaaa accccatgca 300
agaatgcaag cagttacccc tgttccacat gaagtcacag ctgggctttc caa 353

<210> 29114
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400004f02d1

<400> 29114

acaaatgaat gtcattctga attgcacaat gaaataactc gaatgttaca ccgatagtat 60
accatgtttc tgtttgtact taagtgtagt tctttttcct tcccccgata tttccatgtg 120
ttcaattata tctatatgac agttactaaa aatacaaaat gtcaaacttt actagcccaa 180
atatcataca atggacatct tacgatacaa caacgtacaa ttttgctttg cctttcagaa 240
ctgttttctg ggctagcaag ttaagcttgt gcttgattca agggttgcct tagcaagcca 300
caataagcca ggatcattcc gtttcaacac caagtaagca ttttcctttc caagattgtc 360
aaacataaca tcttcgctga agccaaccaa aaatagaatt tccaaggcag ctttattatt 420
tacaatattc ctctcaatga ctggat 446

<210> 29115
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004f03d1

<400> 29115

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 aaattaagag aagaaaaaaa aagcatagaa tggagagaga gaaaaaaaag agagatagaa 120
 aaagaaagaa acatgaatta caaaggccat gacttgaatc agatcaaaat tcaactggaaa 180
 gaggtgcatg gtcagagcga atgaagacat tgccgtagat aaggccagcc aaaccaccac 240
 caataagagg tccaaccag tagatccagt tgtcatggaa gtcaccacta acaactgcag 300
 gcccaaagga gcgtgccggg ttcacgcagc cgccagagaa tggccctgct gccaaagatgt 360
 tggcaccaac aatgaaacca atggcaattg gtgcaatggt tcccaatgat cccttcttag 420
 ggtctggtgc tgtggcatac actggggaca ccaaaccaaa tgtgatgatg atct 474

<210> 29116
 <211> 461
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004f04d1

<400> 29116

cacatataac ataaattaca ttcattttct actacttatt attccactct gatcaaatac 60
 atagacaatt tcatcaggca aaccatacat agcaggtacc gcatatgaat tcgcccacta 120
 ctgaagcagc cacctccatg aatttccttt ataaattgtc atcaagtatg ggggacagca 180
 acagcccttg aacaaactcg catctttttt cttctctctc cttatcctta actgacaagg 240
 ttgatgtctc cacatttctt gttgacacag tctcatctaa gcatttttta gatgatcttg 300
 tctcagtgtg taagtgaggc tgagaactgg catgttcatt agctaaaggc aatataaatg 360
 atgacaacag tggatctgca ttagatgagg acactataca tgaagatccg ccaaaaaggg 420
 attgcaaatt tccttctcgt agttccttcc tcaaaaagat a 461

<210> 29117
 <211> 425

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004f10d1

<400> 29117

acatggccat actactacaa cagagaatat taaataagaa acgtccaaag tggccttatt 60
 caggggtaat atgaacatta aagtggattc gtcgtggcat aaatacgatg atgtaaaagt 120
 aatactatcc ttgtaatat acattacaca caatctgcac ttagtggaca ctggatggat 180
 gctatatcat tacataacac acgaaggctg cgaataagta gctaataccc ttttcacgaa 240
 gaagagtgtt ggccctcgca cgcggggcta tcgtcgaaat tcttcgatgg atacttcgcc 300
 gggaccatac cgacctcgaa gacgatatca tcgccggagg agcggattcc ggtgatggac 360
 caccacttga agaacgcgcg aaccctaata ccttcgagtt cagcgatttt ccccttcacg 420
 atctt 425

<210> 29118
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004f11d1

<400> 29118

aggaaataaa aatagcgttc tatatatatta ggggggttcg ctctataaat acaagagatt 60
 agaacatatt aaaggaatgg agattatggg gtgtgctgga tccacattag tagatgacac 120
 ttcgacttat gttggatgat ttgagcacca acttttggat taggagtgag cacagtgact 180
 ggagcatgtg cataggtagg agaaagctca aatgagaagc gttgtaagag taatgacaaa 240
 accaacttcg cttctaataa agcaaaatth tggcctaagc acactctagg accccatcca 300
 aatgggaaaa acacaacttg gccttttgtt gcctttgcta ctccttcagc aaatctttct 360
 gggttgaact ctgtagcatc atcaccccaa atatcacgat 400

<210> 29119
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004f12d1

<400> 29119

aacccaatca atataatttt attttctttc tttccaaaga aaaacaaaac tgataccatc 60
 aaacccaaaa aatagacttc acaactatac atatacatat caccagaaag aatgtgtcag 120
 taactcccag ctactatatac tatgcagaaa tttatatatt ttctcgagaa ttctcttcat 180
 ttaccaacaa tattaatctt caactataaa taattatcgg ctcaaataat gtcagtgcac 240
 gaacctttga ggcaacttca ctcttttaggc aactgtacca agcatagcgt tttctgggtg 300
 atccgcatta aggggaaaaa tatcaacagg ggcaggtgta tagtcaacac cagtttgctt 360
 aaatctacca ttacaggagc ctgcatggtg atcaagatag attgcaacta 410

<210> 29120

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400004g01a1

<400> 29120

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 agtgctgacg cttgaagaca gtgaaggaaa aagctaacaa attcgtaaat ttctagaaac 120
 ctctcatcaa aagtgtcttt gatccgtgag aacttaaact cagactccta aaatagtttg 180
 atcactttcg cattgacctg taaccttttc tctccggata ccaaaaccgt aagttgctga 240
 acatggaccc gcaatcggcg gttcggggcg aactggagcc ttcggttccg acgttctccc 300
 cacggttcgc gctcacatcc agttcgcagc ggaaaatcgc gatcgctgac gatctgagcg 360
 actagagtgc ctacgcngta cgctggggcg tgcagaacta cttgcgacc 409

<210> 29121

<211> 442

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400004g12d1

<400> 29121

ccccccctct agtagtcagt ggtgggaagc tgctcgtggg tgtggctgat aaagacaacc 60

tcgtaaacaa ggccagcgat tccaccaccg atgagaggcc cggcccagta gatccagtgg 120
 ttggtccagg tccagctcac gacagcaggc ccaaagtca cagcgggggtt catggccgct 180
 ccagagaagg cccaccccaa caaatgtta gcgccgacaa tgaaaccaat ggcgatggga 240
 gcaataattc ccaaattacc cttcttgggg tcaatggcag ttgcgtagac cgtgtacacc 300
 agaccgaagg tcatcacgat ctccaacacc aaggcggtgc caactccaac tccagcggag 360
 agtccgaatg ctggaacagt ggaggcgggtg accaaggcca cgaggaggga ggcgacgat 420
 gagccgagga gctgggcat ga 442

<210> 29122
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004h01d1
 <400> 29122

aagggtcaaa tctcaattg gatactacc ttttttccca aaattttttc aaattttccc 60
 agagaaagaa aacttttaaaa gccaaaatat ttggcaaagt aatttaattct atccccaat 120
 taacaatggg ggccactcc aaactcgttt cacttttatt tgaaggccaa agtaattgaa 180
 gtattttggc tacttggggc ctcttttatt aaaaattttt tgcaggattc aaaaatggaa 240
 cggccaaaaa ttttagccaa gcaagggaag gctcaatttg gggcaaaaaa tggggagcca 300
 gggg 304

<210> 29123
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004h02d1
 <400> 29123

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 tcagaagggg aaccaaattct tgttcatcca gcaccctact gccatgactg cgtagggaac 120
 caaccctac cctgaaacaa acttccttat gccactaga acttctagtt taagcaaatg 180
 caccagcaca tgcagtggct ggagcagctt ccagctgttt ctttgagta ctgtattttt 240

ttgttataaa cctaaagaag tccctccata gcaactcaaa catcaaccaa tttgttccag 300
 ttctggacga gccattacca ccatcattcc ggttggacga agcagaaatg actctgccgg 360
 cagtcttctt cagttcttca tacattgtgc gaggggaaag gcattccatt gcccaaccaca 420
 gagaaatfff gcaggagaag gttgcaccat atatactc 458

<210> 29124
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004h03d1
 <400> 29124

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 ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat 180
 tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga 240
 tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc 300
 gctgctttga caacgcattc accactgggtg taccgggtgg aaccagaggg gccttggtca 360
 ggtaactaag gatggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt 420
 taaactcgat tcgagtgctg agctcagcaa gaagga 456

<210> 29125
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400004h07d1
 <400> 29125

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 actatcacca atacactgaa atcataatca taatgtaact gataaacacca ccagcattga 120
 caaaataaaa tgggttaaaaa aaagaataaa acaaaataaa tcacacaaat cttgtaaaag 180
 gctttcttcc caccaccctt gcgggcaaag acaccgttga atccacactc acgtttccta 240
 tagattcaag tgactgaaat ttatctggga ctctttgatc cttgtttgag aaccctttag 300

accacttgaa agaccaatt ccttgtagaca aagggaatga gagtctctc tttgaatcag 360
 tactagttgg agttccacca agcctgtctc ttggattact actagcacgt actttggccc 420
 tggcggaagg gttggagcca tgtagttagg cactgaaaat ggtgggcagc 470

<210> 29126
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004h09d1

<400> 29126

aaaaaagcaa cataaaataa tttaaaaaac cattacactt tttttaatag aaagggggag 60
 aatataaaat tttacaagat taaaacattt gatttttgat tgggcatgtg ctataagagg 120
 caggtaaatt tgatattgca gggatgacat atttgaaatt aagcacagtt tgtaaaacat 180
 gcatgagcta agaggcagct aaagtaaaat gttttttttt attcctacat aatattgata 240
 atgcagcctt ttttcaagca aacattttcc attgggtccgt cagttaaaaa tccttgacgt 300
 gcattattca tcaacgactt ccgtctcaag ctctccacta tgtagtccgc atacaagctc 360
 atggatctat taaccgcttt aaaagcaact gaggcaggca aaaaggcggt ta 412

<210> 29127
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400004h12d1

<400> 29127

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 tttttgcccc cccctttttt aataaaacag tccttttaac ccagttaaca aagaccccca 120
 aacacctttg aagccctggg aaaaaaaaca agaagctttt gggggcattc cccttttttt 180
 tttaaaattc aaaggggggg gtccccaag ctttcccccc ttttttttgg ttaccgcaaa 240
 tttgcaattt gacccaacat ttttccatt ttgggggcta aaaggagggc ctttctgggg 300
 gggggacaac cttccggttt tgaggggggg ccatttcctt tttcaggggg ggcaaaatgt 360
 ccccatggg ggaccctttt tgccaatttg gaaaaaacc aaatttttt 409

<210> 29128
 <211> 371
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005a01d1

<400> 29128

atcttcatct tcatcagact catcaccca acgagccaca tgcttctcta agggagcagg 60
 cttggtaggc tttttagctt tagttgtctg acttgtttca gttctttgtg ccacaacctt 120
 cgaatcaggt tcatccttta cattaacaga ttctcttgga gatttctttt cttgttccat 180
 agttgtgttc gagaccatgg gaatatTTTT ggaagccctt tcagttattg cattaggcat 240
 tacaagaggc tcttcatcag gaccaagtga tcggccatcc agggtttgca gtcgcctcag 300
 cgtactccta gtgttgcacg ggacatagtc ccttctgaac tcatcatttt tgttccatag 360
 cttcatgatt c 371

<210> 29129
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005a02d1

<400> 29129

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 taatgcatct tttacgataa ttttcttaca acctgaata acctctattg tcttcgtatt 120
 gctccatgaa ttcattcattg aactttttga aactatccat aatagcgggc atgtcttcct 180
 cgtctggtaa aatagtagtc ctcaaagtga agacccttc tctctgtcca aatcctgaac 240
 caggaacagt ggatatgcca gtggcttcca aaagtttgag gcagtagaaa acatctggaa 300
 cctttgcagc ctgttttagca gcctctaaag ctcttgccgg caaacgtatt tgaggggaatg 360
 aatacatggc accttcagta aaattacaaa ccacatttct gcaactgttg aatccatcag 420
 tcattagcct tgctcttctt ctcaagtatt caagtatttc ggtgctctcc ctaacaaatt 480
 tgtcataaga aata 494

<210> 29130

<211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005a06d1

<400> 29130

agatagtatt aaaaattttg cgctgataac gtatcgaatt tgtactcccc ctccccctta 60
 ttatatattga atatatggca atctttcagc caacaagtga agcataaatc tggtagagct 120
 ttgtttctat aattaagaga ccgaaagaaa ggcttgctgt ccagctacat ctgaagattt 180
 gcaggcatgt attatatgtc atatatctgt cgtctctagg attttctctg catgggtcaaa 240
 aatcaagggt ccatactcga aaaccattct cttgcactta tttgcatact tctccactga 300
 attgcacacc ttcagtaatg tctcaattat ctctagctta gtgtcactct ccttcaactt 360
 ttccaataga gttgaaacag tatctttggc aaactcacag c 401

<210> 29131
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005a07d1

<400> 29131

ggggggatga aactgggata tgcaatcggt attgcgcgcc ttgtacccaaa acatttaatt 60
 ttcatatttt acaacaaaaa acagacttta aaaatctgcc aagactaaat aacgttacca 120
 gccaaaacct aaagggtaaa tttatcacgc agttataact gcattatgca aacaaaagat 180
 aaaaaccatg ccgaaattat agaaccttta ctaccataaa ttgcactact ggtgagcaca 240
 ttgcactcgt tgaccagatg ggatcatcat atcttcatca tatgcctcgc gatattgctg 300
 gtgctgcttt cggctcatct cctccttaaa ggtgacatca tgcaaagggg tctcctcaca 360
 atcatccagc tccatgtttg acacatgctt gctgctcttt tgagggaaca ccttt 415

<210> 29132
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005a08d1

<400> 29132

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gggggggggaa aaaaaccccc ccccttaaatt tgggggggggg gggaaaaaaa aaaaaaaaaa 60
cgggaaaatt tccccccatt ttttggggcc ccaaggga aaacaccccc ccaagggacc 120
ccgggggaaa aaaaaattgc cccccaaaaa aaaaaaaaaa atttgtaaatt tggaaaaaaa 180
acaaaaaatt aggggttttt gggggcccta agaaaaaaa aagggtaggg gggggggttt 240
aaaaaaaaaa gggggaaaaa actttttccc aaatttaaaa aaagccccaa gaaaaaacia 300
aggccccc aaaccccttaa aaaaaaaaaa tttgggaaag ggaaccccaa aaaagggggg 360
ccctgggctc caaaaaaacc tttggggggg gg 392

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<210> 29133

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400005a09d1

<400> 29133

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aaaattacaa taattaatgg tatacatata tacgatataa ttaatgtacc aattaattac 60
aattaccatg atgcaaacat cttgagttga cagaatttga tgtaaacaac atatataaag 120
ccgctagcat aaggagaaga ttaattgccc caattttaaa taatctcgct gctcccgaat 180
ccaacatttt ttcccgatct gattagcaga taagagacag aagttcccaa gcagcatagt 240
gagaacaaaa ataataacac aataaaggct ctatgcaatt tttgagaggg acaaattcct 300
ttcaaggcac ttgagtgagg taggggtgac atgcatgaac aagtagttcc cagcaaaaag 360
gtcacaaaaa tgaacttgac cttccttgaa tcttttcac acttttagcat atgaaattct 420
catggaagaa accaacctag ccctttttct ccaaagtctt ctcaagcttg gaattttgag 480
tctaaacctt ctctaatgg gaacccttct aaacctgaac cagcttcttg acctncttct 540
cctt 544

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<210> 29134

<211> 528

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400005a10d1

<400> 29134

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tggtgtcagc ctaacattga gaccatactc agaatgtttg ttagtaacaa taattgtcag 120

cactgcatca gttgccatag actgtgacag tcaagtagac tggaagccac taaacagaaa 180

gcaacaggat tggttgttgg tactgtttgt atgattggag caacaggcag ctaaaaggca 240

cctattcaaa cagagatgac cgccacacgc atcctcacca cactttgcaa gtattaaccc 300

caggcacaag aggccctacc atgagatgga cggaagatt ggcagacaaa gagattcatt 360

tagttagtcc tgccaataat aaaatcatca tcacccccca gcattttgat catagtgaga 420

gtctcagcca ctagctcttg aatcttctcc tttcatcttg gcaaaataat agccccacaa 480

cacatcaaaa taatatctct aggccctct tccaagttct aacacatg 528

<210> 29135

<211> 581

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400005a12d1

<400> 29135

acttcaaaga aggaaaccta cacaaacttt ttttttgtat aatggaagag ataaatacac 60

aataataaag taaattaagt atgcatcaag aaacacacaa gaaaccaca aggctgtcat 120

atgatgaaat gaaaacaaag cacaccacaa tcatgcatct ccaaccaaca aaaaagcctt 180

gtctcaatct taaatatcaa tgagcaccac tctccttttc cttttccttt tctcctctg 240

tcttgagtg ataccagga agcttctctt ttatcttttc taatatacct ttcttctcct 300

tggcctctcc ttcagatga gcaccttcac catgctcaa tgatgcaaca ggtggtggtg 360

gaggaggagt agtagctgtg gctcctctg tcttcttggt ccttggtagc ttctccttaa 420

tcttgctgag gaacccttc ttttctcag catgtgctgt ttcaacaacc tcaactttct 480

caacagggac acttggtgtcc tcatccttgt gatgatgatg atcaccctct aatttctcct 540

cgatcttctc tttcagccct ttctttcctt ctcttcttct t 581

<210> 29136

<211> 404

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005b01a1

<400> 29136

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cttgaattc ggctcgagtc aaagaaggcg tcttcataaa cgccttttctt ctccgtttcc 60
gtttcctcgt tcgaattcgc tttttgatct gcgaaaatga gagagtgcac ctcgatccac 120
attggtcagg ctggtatcca ggtcggaaat gcttgctggg agctctactg cctcgagcac 180
ggcatcgggc ccgatgggca aatgccaaat gacaagacag ttggcgggtgg tgatgatgct 240
ttcaatactt tcttcagcga gactggtgct ggaaagcacg tgccacgtgc agtgtttgta 300
gatcttgagc ccactgttat tgatgaagtg agaaccggaa cttaccgtca gcttttccac 360
ccagagcagc tcatcagcgg caaagaagat gccgacaaca actt 404

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<210> 29137
 <211> 308
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005b02d1

<400> 29137

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aaataaacca caaccctttt ctccaataaa aaatttgaaa aaagggaaat ttccttcctc 60
caaaaaaact ctataaaggg acaaaaaaaaa aacccccctt ggaggggaaa aaaaaaactt 120
tccaaaagca cattttttgt gagtctcggg aaaaaaaaaa ctccctttta aaaaaaaaaa 180
tttgccataa aagaaaaaaaa tcccctacct tggcacaact gggcttaaaa aaaacccttt 240
tggtgttttc ttcccaaggg gggggagccc ggtctgtaca agggccctgg ccctaccctc 300
cttttttc 308

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<210> 29138
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005b05d1

<400> 29138

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accagaaatt tcttaattat tttccattgc gtcaaaactg caaccttgca taaccaaaaa 60

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ataaattggg agcaaaagga gaaaagggtg aaataaaacc ttttaagctt tgatgagatg 120
 acctccaacc tcttacagaa gataaagttg tcatggaaca cccttattat tcatccacac 180
 ctaacaagac atccgttgaa gggactgact aacttcacaa caatgttaag cttgaggctt 240
 ctcaaacttg agtggctcca caccttcccc ggtgaagcca gggcatccc ttccaaagtg 300
 ttcataagcc gctgttttga ggaacctatg gtctcccctc ttaaggcca acttaatgg 359

<210> 29139
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005b08d1

<400> 29139

cttccagaaa tagtatttaa tattataagc agagattcat aattcagatt agccgaactt 60
 tatacagaag cgaccaatta ccaaacatta aaaaaaaaaa aaagaagcaa ccatgagctt 120
 aacacacca tcacaagtcc aaaacacttg aacttgctga aaggcaagac atgaccactt 180
 tattctaagg atgtttgttt aacacaaaac accagagggc acgaaaacca tcacagacat 240
 aatacataag ttttttagcta cacattaata gtttatcatt attcctaatt aagggtatc 300
 tctgcttgaa gcttgctctc ccaacacctc acttgcaagt gcaggggttg caggagcaat 360
 ttggtccaca ttt 373

<210> 29140
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400005b09d1

<400> 29140

caaattaaac acattgttga tggtgatatt aatacaaaca aaattatatg gtgaatcaca 60
 tatttatcca tgcattggtt tatatgacct tagcattaca attcgaaact ttccacatat 120
 ggtgtcacag ttcgtcacga tagagtattt cctccaacaa tttcttcttc ttacaacccc 180
 aattgcattt agtgttgac aaggaattaa acagtgaag cctagtggat tgaagttgta 240

taatgcctga ggtggaaggg gattttgaga gaacaattgc atacccatca tccatgttat 300
 cggttccatc agggaaaaat tgccacaaaa ggcttccagc cccactcccc cttttctttg 360
 tggagtttag gatggtactg tacacagtgc ttataactgt gtctctatat gatgaattgt 420
 agccagggtc tttggaagat acaccaaact cagcaaaaac aactggcatt ccaagatact 480
 tttcagcatc ctctatgtgg gcttccatnc catgatttat aaatgggata t 531

<210> 29141
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005b10d1
 <400> 29141

cttccaaata ctccacatt cttattgtgt agctgccttt tttcccttta tattatttta 60
 atatgattat gtataattga gggataaaaa gaaaatacaa aaaaaaggaa gaaaaaagat 120
 ccaaattggt gtttttttaa aagagagggc acaccacgcg cttgggttggc acagcaatga 180
 gtcgctgga tcttggagcg gtgagtcga acacgtcacc catgtccatc tcacttggct 240
 tcatcccatc tggcaattcc cacgtgaagc agtgaaggag gtgcgccacc gccaaactga 300
 gcgcgtagag cccaacacc atcccggggc aggatctgcg acccgaccg aatggaatga 360
 actcgaagtt gtcctctttg aaatcgggca cgcccgttt aagaaaccgg gcgggcttga 420
 agctctcggg ttccctcccag ctgttcttgt cctcccaat ggcccacgcg ttgatcatga 480
 cacgc 485

<210> 29142
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005c02d1
 <400> 29142

atacaaacca gaaatttcta aattatcttc ttttctaca ttaattctaa ccttgatata 60
 aaggaaaata tcatttcccc taaatacaaa ggtgcaactc ggacgctata ttctgcat 120
 cattttcact ccattaactt acacctaaga aaggctgtgc ggccctttat ttgaggaatt 180

cttaaggagg gatcggcgca atggaataac ccttttcttg gaaccaacgc accatccctt 360
 gaccttgaga taatcatcct taacaacacc atagtgaggg aaaccaccta ttggggtaac 420
 gtctttctcg gtgctatcaa actcagtaag agc 453

<210> 29145
 <211> 482
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400005c07d1

 <400> 29145

gtacatgaga agggatttga tttgatttaa ccgattaatt tacacagctg tattgcatgt 60
 taaattttac atcatgagtt aatataaaaa aattatttca aaaaccttca caatgccagg 120
 ttcccacttc ccagcgtggt attagaaaca caataagaat agaaggaaaa gaaaaggcat 180
 ataaaattgg aagatcatca ttcgtaggta agcaattagc aatttaccat taatacttct 240
 gcaccatcat tttcaaaatt ttgagcaaaa aaatggccat ttcacggagc aaccaatcct 300
 tcaatggcat aagatagaga ttgtgccaag tcagctttaa atagcagtggt ttgcaaagcg 360
 tgcaacatat catattctgg atcaagtctt tgctgccaac cctccagaac caatgtggta 420
 actatcacag cgcanacatt gccatctata ttgactttac agcgcctaac atgctcaagc 480
 aa 482

<210> 29146
 <211> 449
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400005c08d1

 <400> 29146

gataataata ataagtctaa cattaaagtt gcatgaaaag agaaatacat gatgcataag 60
 gtagttcatg ttactgggtat gctccggtac agcggagcat gcagtgcagt ttgaagctga 120
 ggagttatta aacagctagt tggaggaagg aaaccaagga cacacctgag aggctgacac 180
 agtggtttatt taatttagta ttataatatg atgtcctcca atggttgtta aggaaggggtg 240
 tgaggcttct cgaaatcctc gagactgggtg gggcgaaacc aggcttctc ctccagcgca 300

tcagagtgaa tggcagaagc agtttgggtca ccttcttcgg ggggccc aaa taccagtc 360
 tgtggatgtg gggccagta ttcgccgat tgtgttgccg cctggacaca tcgtctggga 420
 cctgccata ctggatctca ttatcaggg 449

<210> 29147
 <211> 596
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400005c09d1
 <400> 29147

ggcatgacat cgtgtcaatt catcaaagc atgcaagtac aagcagtaag tacacgatca 60
 gccaatccta taaaaggatt tgcaatttca aaactgaaca aatctttctt agcgctgcag 120
 tgtgattaac aatggctaaa caaaaaagaa ctgaaccttg cgctacagaa tctttttgct 180
 atatagaaag gtagattctt cagttcagta tggtattttt ctttcattac aaattataga 240
 aaactgaaca attcaagccc aattgccatc tgggataatt catattaatc tttgagcgca 300
 catggtactg aaaaacaaag acaaggggat cctggctcgtg gaagaaacat cagttcttgt 360
 gttctttttc gatgtcataa agcacacag catctgctgc tgtcttcac tggataacat 420
 ttataatttg cttgactgcc catccaaata aactagtacc cattagaaga gaaaggaatg 480
 atatcttttg taaattactt gatataacgt tcaccagttt ctctgttnga ttcttcgcan 540
 gataaaacag gattaagtaa agaccttaca tgagacacag cagtaagcca taaaca 596

<210> 29148
 <211> 555
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400005c10d1
 <400> 29148

ctccaaatag caatatcacc cttttcatac ttcttttccc aacaaagact ttcagctaac 60
 tcctcaagtt ttgtttgttc tgccttcaga tcttccttgg atcgcttcca tgtttggtag 120
 tatgttttcc aattaattgg ggggccagac aaaatccagt atccaccagg ccttaagact 180

cggTcaactt ccattagata catgccctca tttgaggtcc atggtattag acatcgagag 240
 cactgggcca tatcgaaggc tcttgatggg tatggaaggt ggatgggtgcc aaggacacca 300
 ataacagcag gcacccctcg ttctagagca aactgaactt gtgcttcatg gttgtccttt 360
 ggagcgaagg acatagccag cacatttctc tttagcaagt aggctcccca gcttgcaacc 420
 ccacaaccag tgtccagtgc tgttctgaca gaaccatcag caattggaat aactgacgca 480
 ngttcatcaa tatatgcac tgctccgtga gggaacatgg tccctccacc tggaaaatta 540
 aacacatttc cctgg 555

<210> 29149
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005d01a1
 <400> 29149

ttggaattcg gctcgtgcc ttttaactcta cattctctcg acacatgctt tgctagatca 60
 caggttgttg gttaatagtg ttctgtgtca gaaaatgttg tgaatgagag atgtgtattg 120
 ctagcagttt gactgcacag ttgaattagt atgctactaa agggattctg ctggatgtca 180
 aatgatgttt aagatttgat atacagtaaa aagaaattgg agactatgga agaaatacag 240
 tctcaatcag ataattatag atcttcgtca tcgtcgcaa gcagcccggc aagtaagggt 300
 ccatcaagta acttttttta cctgcgtaaa cctgggtcac ttaggcagtc catctctttt 360
 gaggattcac ctgagtggga ggatactgat attgatg 397

<210> 29150
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005d01d1
 <400> 29150

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 tcaaggaaca tatcaagacc cctagataca aaggagcatc ttggaagcga aattcctgaa 120
 atcaatggca ctcacatgc tcatacccaa gaaaggaggt acggtcgctc cttatgagaa 180

ccgtcgaaac aatgacgcac cggtatTTTT ctccccacag agaagacatg tcagatgaac 240
acagaaatac ggataaccaa tggccataag aaacaaaacc aacagactgt tccac 295

<210> 29151
<211> 394
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005d02d1

<400> 29151

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gaaaatatca tttttcgtaa atacaaagga gcaactggga cgttaaattc ctgtcatagt 120
tatcacccaa ataactcaca cctaagaaag gcagagcggc cctttatttg aggaattgcc 180
tattagaagt caaacatggt tatttcccaa ccaaagctgc ctttagagag ctg'gcagct 240
ccacgcacgc ttccagtttc cctaccata tacttccggt ccgacattgg aaagggtcat 300
tttagtcttc ccaattgata tggaccgcgc cgatgtgaga aacacgggca attcttttac 360
cttggtgaga aaacataaat aagagccagg gtct 394

<210> 29152
<211> 345
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005d04d1

<400> 29152

ggatacctac cagaaattgc taaattatcc gccgtggcta cattaattct aacctagaca 60
tcaaggaaca tatcatgtcc ccaagatacc aaggtgcaac ttggacgcaa caccctgat 120
gtcatattca ccccatcgc tgacacctga gaaaggctga gcggtcctct atctgaggag 180
ttgccttttt gaagtgactc ctgcttcata cccaacaaat gccgacatta gtgaccttct 240
cagctccgcg aatcgaccgc actgccaac ccagatactt ccgtgcagac caggcaacag 300
tacagtttcg tcggtcccat tgatttgggc ccgcgcgatg tcaaa 345

<210> 29153
<211> 541

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005d06d1

<400> 29153

ggacaaatag taaaaagggga ggttatgttt tggggacaaa agcacacgag tataatgcat 60
cttttacgaa aattttctta caaccttgaa taacctctat tgacttcgca ttgctccatg 120
aattcatcat tgaacttttt gaaactatcc ataatagcgg gcatgtcttc ctgctctggg 180
aaaatagaag tcctcaaagtg gaagaccctt tctctctgtc caaatcctga accaggaaca 240
gtggatatgc cagtggcttc caaaagtttg aggcagtaga aaacatctgg aacctttgca 300
gcctgttttag cagcctctaa agctcttggc ggccaacgct tttgagggaa tgaatacatg 360
gcaccttcag tgaaattaca aaccacattt tctgcaactg ttgaatccat cagtcattag 420
ccttgctctt cttctcagtg attcaagtat ttcggagctc tccctaacaa atttggtata 480
aaaaatatct cccggttgag gtggatggag cataactccc ataaatattg tgctggaaca 540
t 541

<210> 29154
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005d08d1

<400> 29154

aattctaaac taacacttct aaggtaacgt atggggatgg ttaaategat attaacaggc 60
caaaaattat acagatacaa tgagtttcaa ttgttaaata gcgaatggag accttcaaat 120
gtatgtaaaa cccgaaattg ttacacaaga aaaagaccgg gaactcctga agatgagata 180
ttttaaaagg aactgcacaa taagcctaaa acaagatata atttgaaatt 230

<210> 29155
<211> 488
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005d09d1

<400> 29155

catatatatt attatatatt tatcaaatca aagtacatac aagttacaga acacgtccgg 60
 cttagactaa ttgcccgaaat aaaaagcaga tctggcaact gaaatctata aatcgcacaa 120
 attaaggaaa agaaagagtc caaatccgag attaggtttg attaatagta acaaaaaaca 180
 acacgcggat ggtggatgga ttatggaaga agaattgatca atcatctggt ggttctgtta 240
 ttgaaattca tcttctcgta gtagcgaata gagaggagcg aaagagagag gtgaacctcg 300
 tctttcccca aacgtagcgg ttctgatcga atcatctgcg gtacgggtggg gccccaggcc 360
 gaggaggaag aggaagagga tgaagatgat gttagttggt gtagttgttg aggtttggag 420
 agagggaaga gataaagtgc gtggaggcga cggaagccac cgagcgcgag gaccacggat 480
 cgagctg 488

<210> 29156
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005d10d1
 <400> 29156

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 gcttcagcaa gggaaagccc ctctactttc cataaagcag gtaacattca caacatcaga 120
 gctgtcagaa aagatatgaa tcaaggcaaa gtggcatttg ttgcacatga tatcttagca 180
 tttcaacctt ggtctaaggg caaaatcctt ttgttgaaac cgaagaactc agaaccccaa 240
 ggggaatttt aatcagtagt taaccttgaa tagatttgtc tctggagagc cattccctcg 300
 aaattactca aatcccatca gttaaattta ccaagctcca tcttcttctt gatagccctt 360
 tgaccgtgat agatgaatga atctagtatt ccagaaacgg tgaaaatacc tccaactatg 420
 gcacaaacat tagtaagaaa atgtaagaat gagacatttt cttctgtaaa agtaacctta 480
 attggagaga ggtcatagaa taagaaaacc ccgggaaggg act 523

<210> 29157
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005e03d1

<400> 29157

ggaacctac cagaaattgc taaattaccc accatggcta cattaattct tacctagact 60

tccaggaacc tatcatgacc ccaaaatacc aaggtgcaac acggaaggaa tccccccgcc 120

gtcaaagtca ctccattcgc tgacaactaa gaaaggctga gcgggactct atctgacgag 180

tccgatttga gaagagacac ctgcttcaaa cccaacaaag gccgccctta gtgacccccg 240

cagcaccgag aatcgtccag actacccaac ccagccactt ccgtgcagac catgcaacag 300

aacagtttcg cctgccccac cgataccgcc ccacgcgatg ccaaaaacac tggcaccccc 360

gttgcccttg gccgaccttg gaagaaagag ccagggcccc cggtgcttg gaacctgag 420

gaggatgcgc aaatgataac atcta 445

<210> 29158

<211> 304

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400005e04d1

<400> 29158

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caaggaacat atcatgtccc gaaaatacac aggtgcacct tggaagcaat cccctgacg 120

acattttcac tccattcact cacacctgag aagggttgta cggccctcta tctgaggagt 180

cgccttgtag aagagccacc cgtttcacac acaaccaagg ccgccctgac tgagccgcgc 240

agcaccgcga atcgaccag ctcccacacc tagatacttc catgcagaca atgcaacagt 300

acac 304

<210> 29159

<211> 169

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400005e06d1

<400> 29159

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taaaggaaca tatcgctctt cttaaatgct ggactcctct agggaaacta atctgctggt 120

tttgattca ctcttcttt atacaccata gaaaggctgg gggcctctt

169

<210> 29160
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005e07d1

<400> 29160

atacctaaca gaaatttcta aatcaccttc cattgctaca ttaatttca cccagacttc 60
aaggaaaata tcatgacccc aaaattccaa agtgcaactt ggacggaatt ctctgtaat 120
catattcact ccataaactg acacctaaga aagggtgagc gggactttat gtgacgactc 180
gcatttcaga cgtgacattt gtatgctata caaccaaggc ctggcttctt taccacgca 240
gctctacgaa aagactagac tttcctaccc aaccactatt cttcgtcca gggaaaagaa 300
c 301

<210> 29161
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005e09d1

<400> 29161

aaactataaa tccaggtgct ttgccctaaa agtacagatt tacatttaca tgtaaaaatg 60
gacctgagga ctaactatac tggtgtacag aagaagaaat taagatttac atgataccta 120
tttttttcac tacttataag gctaatacgg tcttagagct gaagcagtgc tttgaatggg 180
cctggcaagc ctcaagatct aatgctgaat tgcagcaagc ctttctttgt aactcgattt 240
gtccatccta gccagagagt cagcgattct acggaagaaa tccaacttgc tttcatggtc 300
gatgggaggc caaaaaacia gatgtttgaa ccattgggta ccttgaagcc catcgacgtg 360
caagaagcct atttccgcaa gcgttaggct atcattgaac gctcgcatth gcatagctat 420
agaacgatct g 431

<210> 29162
<211> 475

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005e10d1
 <400> 29162

attaaagagt aaaagtgggt cggaatata tttttcaggg agtacaattg agagcgacta 60
 ccctttaacc tatagcaatg gaacaacaga gtgggttgcc acatttgagg aatttggtcg 120
 caagtgacaa ccctgatgtc atgataatta tgggggattt tttactctat ttaccacaaa 180
 aaataattac gatgaacgaa ttgcacagag taaaaagaat gatttgggta gggggaatgc 240
 caaaaccgaa atgatcaatc atttaatcac ccaaacaaaa ctggataatt tgcttccatg 300
 gttatatccc tgccttcggc cacaactttg cgggggcgcc taaaacctgg tcttcgatct 360
 tttccgcgcc tttcaggacc ttttctaaca accttttccg ggaaagtttc aacaggaggt 420
 ggaggactga gagcaacatt cactggagca gccaggcgct ccaatatatc cctat 475

<210> 29163
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005e12d1
 <400> 29163

gctaaaacaa ttagcaatac caagtttgct agagaacaat atcttaatat tctaaacagc 60
 attataatgg aaatttcagt gtcattatga aaataggcag ttcagaaacg cgtactaatg 120
 gaaggacaaa ctaaaatagc ccagtacatc cacaattcat aacgaagaac atgaatgccc 180
 aaaatctcag taacaccgag attagcattc aacaccttct ccctttgaaa acattacaca 240
 aggggaagtgc aatcactaat tagaagtatg gtatgtttaa ttttgttccc cgtcaccttt 300
 ggggtcggct tctttaattt catctgcacc atcatcctgc atgtcagagg tccagagggt 360
 aagggttatca cgaagaagtt gcatgatcaa agtgctatcc ttgtatgatt cctctcccaa 420
 cgtatccaat tcagcaatag cctcatcaaa agcctgtttt gcaaggctgc atgcacgata 480
 aggagagtta agaattctcat agtaaaacac agagaaattc agagc 525

<210> 29164
 <211> 414

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005f01d1

<400> 29164

ggaaaaaagg gccctggggt ttcccaaccc ttttaaaaaa aaacatgggg gtaaaacccc 60
cggggaccaa aagcctaaaa cctggggaaa aaaaaacccc ccggggggtt ttccaaaaat 120
tgggggggcc ccccttttga aaacaaaaaa gggggtgggg gccccccccc ctttaaaaaa 180
aaattttggg tccccccggg ccagaacccc gaaacccgaa ccccgggggg ttttttctaa 240
aaaaccgccc ccttttggac cccaattgga aacccctag ggggggggaa aattgtgggg 300
gggcccttaa acggcccaa acttttcccg tgcggggggc caattccaac cccgggcccc 360
aaaccaatat accccccccg gggaacaggg cccccaaaaa aagggggccc ccca 414

<210> 29165
<211> 327
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005f02d1

<400> 29165

gtataccaac cagaaatttc taaattacct tccgtggctc cattaattca aaccagaca 60
tcaaggaacc aatcatgacc ccaaaatata aaggtgcaac agggacgcta ccccccgcc 120
tacattatca ctccattaac tcacacctca gaaaggccga acggtccact atgtgaagac 180
tcgccttggg gaagtgaatc atgcatcata cccaaccaag gcctgcctta gagacctccg 240
cagttccacg caaagtcccg gctacecgac ccatatacct ccgtgctgac caggggccag 300
tacactttag tctgcccaat tgatgtg 327

<210> 29166
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005f07d1

<400> 29166

caaaccagaa atcactaaat ttcctaccgt ggctccattc ctccagactt agatatcgag 60

ggacaaatcc acccccgaag atacaaaagt gttgctcgga agcaaaaccc cgccttaaa 120
 tggcacccaa ttaactcaca actcaaaaag gcagcacggt cctctagctg aagaaccgca 180
 taggggacgc caggcacgct taatacccaa caaaggcttc ccagccagcc cttctctgta 240
 cccacgatta gtccatccta gccaacccat aaactagtgc gcggacaagg 290

<210> 29167
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005f09d1

<400> 29167

agaatcgaaa cgatgtcact tctaaataat aattatcaaa ctgtacactt cattacatat 60
 aatcgtcac accattacca actaaaagct aaccttccca acaataaaaag cccgaataaa 120
 acaatcattg aacaactgaa cactcgaatc tgcaacaact ttataccctg aaaccacacc 180
 aaacaccgaa acaacctctt gatttcctta cactacactt gtctttattt cttcttattt 240
 ttcccgttta aagtaaacca atgaatctcc tgctcaaact tggaacaatt ttattctgtg 300
 caattccttt tggaacttta tgagtatgaa aaatcagagg agccacctat aagtcacac 360
 cgtgtgtttg ctgcttccat gctgcttctt gtagaggccc tgctgtctct tgacaaggcc 420
 atcctgattc cgggtggtctt tgtcttcttt gacgaggtag ttgtcgacct gtgctgctgc 480
 tagtcgtccc tctgaaatcg cccacaccac cagggactga ccacggcgac aatcaccggc 540
 tgcaaacacc cctttg 556

<210> 29168
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400005f10d1

<400> 29168

acatgacaat ttcatatatt attattatac ttcacaatca gcatttcttt gttcaagact 60
 gataataacc attaaattat tgtcattgta acaatcgaa aacgaggga aggaatagaa 120
 gaaaacaatg aacaaccctt gccagttagt tgcaccaacc aacaaggcac caaccatagt 180

accaatcaaa aggtaaaaag agagagagac caaatcctac taagaaaagc ataactgttc 240
 ctttccatcc aaagggagaa aacatgcagg ttttgtcat ggcttcaca gaatggttgt 300
 gtctgcaatc atggaagtaa ccacgtatgg gtccatgttg gaagctggcc ttctgtcctc 360
 aaaatatccc ttccctgctt tctctgtgtc tctcccaacc ctaacagaag ctccacggtt 420
 tgcaactccc cataagaagg tgttgatgtc agcggtttcg tggcgtcctg tcaaacgacg 480
 ttcgttgcct tctccataag cagcaatgtg ctcctt 516

<210> 29169
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005g02d1
 <400> 29169

cactataaaa tttcatagca tttgatgtgt acttagaacg tagaacagca actttgaaat 60
 ataacacgac tggtttggtta tattgaaggt acaaagattt tgcctatatg atctcttgat 120
 tcacataaat ccagtcaga caaagtagtg ggaacaacc tctttgttgt actacactac 180
 aaatatagaa agctgcattt caattagctc tgggttcaca gaagatttta gttatacaac 240
 ccggaagat tcagctatct tcttcaaate attgtagtgt ctcttccact gaagaccgct 300
 gcctgttact ccaaacaat ataagcgggt gccagctgca gtggcagtaa tgaaaatatg 360
 gggaggctct agctcaaact ggtagtaagt tcttccttca tgttctgctg cactaacgct 420
 cagaaccttc ccttctacat tttcccaat catttctgga ccaatgcat tgatcacttt 480
 ctctggggtc caatttt 497

<210> 29170
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400005g03d1
 <400> 29170

atacaaacca aaaatttctt aattttctac tgcggctcca ttaattgtta cctccgaaac 60
 aaggaaaaaa tcatttcccg aaaatgcaaa ggagtaaagt ggacgctaaa atgcagccat 120

aactaacacc caaagaactc acacctaaga aaggctgcgg gggcccccat ctgaagactc 180
gcctctggga agttaggggg gaataaaccc caaccaatgc cgcctataga gagctgcgca 240
gatccacgca tagaccgggt tggcccaccc aaatacttcc gtgcggacat gggacaggcc 300
cactttcctc ttcacaatcg atggggggccc acgcgatggt agaaacactg ggaattctta 360
tttgttgggg 370

<210> 29171
<211> 323
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005g04d1

<400> 29171

cgaaacaaag aattctaact ttaccaatgc tgctgcactc aataatggca tgggtgaagtg 60
gaaacgagtc caaaccaagt attctactac attacttgga ccaaagaaaa ctgacatgac 120
ccatgctgat gtacttgata acttccttag atgggacggg accaaagcta tatatgagcc 180
cctgggacgt tagctttgag tgaggaccat gaaatgcgca cagtagtaca tacaggagaa 240
catggatgag ccacttttgc ccataccccc agctaaggtc cataaaagtg accctgacaa 300
tgccacataa caaccactt atg 323

<210> 29172
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005g06d1

<400> 29172

ggacagaaaa gggatttatt tttctcatat ggatacatat attcagagtt tacatactaa 60
cattacgaag aataatcttc taaatacaac aaaatattac aatgagcaga ggatacatta 120
aacggaggcc aaaagaaaaa aacgatactt tgaatataac acttgacgt gtaaattgga 180
cccgtccaat ataatatata ataagactat caccatagtg tagagtgcac aaatcatgtc 240
ttgaaaaaag acaactgatc ctaaagtgtg aaaagtgata caaaacattt tttctgctca 300
acaacgaaat tacaactgat cctaaatggt gaaaagtgat acaaaacatt ttttctgctc 360

aacaacgaaa tttcttttgt tagatgtcat tatcaagaca ttgagcgggc tctgagaaaa 420
cgccaaggtc cagttcctgt tcccatcctc cacacgccag caaacatgcg aagactcatg 480

<210> 29173
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005g07d1

<400> 29173

ggcccaaata ttttgtttat aaaaaggggg ggggggtcca atactggccg gactaatttg 60
gcatgttatt gttgtttcag gtaacattta taccttcctt ccagccgcaa atgtcacaaa 120
ctaggtctta aatctcaatc taccttttcc acttatttgg ggctcccaaa ctcattatat 180
gccctacta ccctaggaca caatttttta taaaactaaa aaaccttacc tttttcaact 240
ccaacaaccc tgggtaaaat taaaaaacia acccctctta aacaagccaa agggagtgat 300
accatcactt ttatgggggt ggccactgat 330

<210> 29174
<211> 303
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005g09d1

<400> 29174

cagaaacaga aaacttatca taaatagttt tttcatcac ccaatctaac aaaaatataa 60
tttaatacaa tcacgcaagg caaaaaata actctataca cgtgaaacga gtttcctctc 120
caatctgata acctctttat tccttaaggc cgatatgtaa ctcaaaacca aggttgtaga 180
gtctataatg accttgctat tttgtatgtt ttaggtgctg aacttctgct cagtgggtgct 240
tgctgtggcc ccaactgatg ttacaaaatt gcaaactgca catttcacgg atctggctcc 300
ata 303

<210> 29175
<211> 597
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400005g12d1

<400> 29175

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aaataagaaa gaatagccaa taagcagtca cacgagaaat ttccttgaaa gtacttctaa   60
taatgatgga taagcattga tcaaattgga taacaatttt atataaaaaa gaattgtgct   120
gcttaatcaa tgacaaccac tttgggggtcc acttgccaga gaaaatacat ccatcggtag   180
agaaaagggg gttataaatt tatattatac aataaaaaaa attcagcatc ctttgttcaa   240
cgtttctcca agtcttccct gatctagaag ttggaactcc cgtttgaatc tctggattaa   300
cctgaacttt gttctttgca acatatgtca tcctatccct aataatattg tgtaatattg   360
gatagtagaa gcatttcaaa tgaataaaat aattaaataa ataaataaac tttgtcagaa   420
taaccaagaa gcattgccat ggcagcccta gctcatgcta ccatctgctc ctgctctata   480
tacagctgct ccatccatgg tggaagcatc tctttactga gatcatattg atgcttctca   540
gcaccaaata tctcagacct cttcgaggga acatctttaa ccaatgaatg acccatg     597

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<210> 29176

<211> 499

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400005h01d1

<400> 29176

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gcttaattaa ttgaaatgga ttggatcgga tcgaatctta ctggtttaca aaaaaacatt   60
gaggggggcaa catatcatgcc acacaaattt taaaaaaact tgaatcatca ttatcttcac   120
cattcatcaa ttcaaacaac atcatcatca tcaccatttc caaaacattt cttcttcatg   180
cttcttaaaa gggcttcctt cttccccctt cttgtggatc cgctcaattg attttttttt   240
ctttctttcc atcatatcat tcattcagaa tcactttcca tgcttcccat agccttcaac   300
cctcttggtc tcttcttggt acttttcttc tccctaactt catatctctc ttggcacata   360
tcagtcaacc acgccccggg acttaccaaa agtaagcttc tttgaatgat tttggccctc   420
tttttggtgc gctgaggaag cttgcaaccc ttcatggcca gaaaatcttc ctctttctcc   480
ttgcttgaga gagtgatgt                                     499

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<400> 29179

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agattatgga gtaaatatca tttattttaa cctaaagaaa cacagttaca caccattaca 60
aactcatgta accctgccaa ttaaccatta cccctaaact ccagcaccag cagcttggtc 120
actttaatac acaactccca gaatttttta tgtcaccacg tggcaagcac gctgatgtgg 180
agccaagtgt tgggcttaca cgtaggggta ccctccataa tacaaccaa gacttaagca 240
tcatataata atattaataa agtaaaacta agaaattaaa agaaaaaaaa aaaaaagagg 300
gtttttaaca tggcatgcaa aatgggagac ctgatcccca caacttggac cattttttaa 360
cttggttttt tcactcacac tggccatagg gctaagcttc agtcttttca acaggaacct 420
ttactgggggt ttcaactgac tcaactgggt tgggtctcttc ctctgggggt gct 473

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<210> 29180

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400005h09d1

<400> 29180

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attgaaccca tgcattgcaa aggggagcca ctttttttgg aaatatgcca atcatgtttg 60
aatttaagat accctgaggc ataaaccaac cattgggtga caagctttcg gttttgctaa 120
aagcttaatt acaaattttc aggttaattaa caaataaacc gaaacttaaa agtactgggg 180
ggccattaaa ttaccgaatc cttgaaacg aaaccttcca aaaactgggc cttaaaagta 240
aaaaactcct ccaatttaat ttatatatat atgccacatt atccaatttt aggggaaaca 300
cacattttcc aaaggagaaa ttttcaagaa aagtggatgg aggaggagggt tgaaaattct 360
tccatatttc cttttggggg cttttttttc ttcttgaagg gataccttta gcctt 415

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<210> 29181

<211> 321

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400006a02d1

<400> 29181

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ccaaaaagaa actgggggttt tatatcccct ttaccaagg ggggtcccag gaggggggtt 60

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ttataaccba cccaaggaa gggttacatg tttgaaagcc taaaaaaacg gggttttcct 120
 ccaaaccaaa ttttttttcc aatacctttg ttaaaccctc catgaacatt ggggtttcct 180
 acaaaaaccc caaagggccg gaaattggaa aaaaacccaa attggggggg gggaaaggga 240
 agcccttttt aggcccttgg tgttaaaaaa agatgggaaa ttttgccccc cgatttaggg 300
 ctggataaaa aggggtcccc c 321

<210> 29182
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006a04d1

<400> 29182
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 gaatcatata atcctcaaca taaaagggtg gataagtacg gaagagtttt tctttttcca 120
 gagcacaagt caagaaaaat aaaatataag caaccatact gccacctaaa tgatcaaaat 180
 acagaggtga acaattttat agttccatat tgaatcagaa atgaacaatt tcaaaatatt 240
 agtaactatt atccagacac ctaaaaattt tggaaacaca aaagccgcca ttgcatttcg 300
 actcagacaa tcctctccaa ctccctagca taactaagtg tctggttgat gagctgcaga 360
 gaggggtattt ctttgcaagg tgcagattct tttgcctttt ggaaaaagac actatcattc 420
 ttaatctccc actcaggatg ctctcttta atatattcca ggagttcctg gtctgaggag 480
 aacagcaaca ttt 493

<210> 29183
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006a05d1

<400> 29183
 atgtatctat ataatcgaat tgaaattacg attctatcaa atctttttat ttactttttt 60
 tttttttaag aaaaaagaaa gttctaatta ttaataaatt atatctatat atatatatat 120
 acagatagat attctatatt ttttatctta attaataatt gaccctcct tataatgtgt 180

tatagttttc tttattttta ggaacttata cattcctttt ttaatgtgcc cgacaatccg 240
 aaagaattct gggggagggg tcatttcggt tttgatctag aataaataga gtttcaagaa 300
 atgagagaat taagaatacc cagagaaaac actaatccaa tccataatga tgtaccggaa 360
 aataacaacat ttttggttatt cgaccaacct tcaggagaag caaatacaac aggtacacta 420
 atcaataaaa taaatgaaat agcaattaat gcaaaaacag ctaattggaa agcaatagtc 480
 atgtttctaa t 491

<210> 29184
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006a08d1
 <400> 29184

agggtccgaaa gatcactatc attatcgctg aacaatgtta ttttaacaaaa gtatcaacca 60
 caaataaaaa caacaaccca acttcccaat catcgctcacg tccagcaaaa tacattcaaa 120
 agctatctaa aatctgggga acccacattg gcattaaaaa ccatgaccat acaatttttt 180
 agagaaatat tatgggcacc atgcctcttc aacaatcccc taaacgttgc ttaggcata 240
 gcaaacccaa gctcggaaag cttttggtga gcctcagcgt aatcagcaaa gaaggcatct 300
 tcgtccgctg catatttatc aacgagaggg cggaatacag ggtagacaaa aagagccttg 360
 tcagaaggta gctgaaggag accttccttc taccactcaa caactccgtg aagtatgagt 420
 tgtagaaaat aagaggatta gaggtccagg gaccctcaaa tccagaacgc tcc 473

<210> 29185
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006a12d1
 <400> 29185

acctccaaag atattttctca gtccaagccg caaaacaacg aatcaattct tgccatgtca 60
 tcacccccat aaaccacgtc accattaaat actcgaagaa agtcttgaac ctaatctgct 120
 gctacttggg cccaacatg agtcagtaaa ttccaggtct gaagaaattc cagctattta 180

ttatcgtcct gcagcgtggt tttgaaatgt catcttcatt accaccggtg agtgaagaag 240
 taaacacaag tgggcgccga gtttaacttt aaaccgcgtt acgtgtcaaa atccaattgg 300
 cgagaaaccc tcgagcttct gaaggatcta tcaagctttt cacttaaagc ccttaggatc 360
 tgccacgtgg catccctttt ctggacctgg ctgttgaaaa gtagggcact cctcgtcact 420
 ggggccaca ggttcctctg aatgggtgctg aggtttgtcg ctgcacgcg ctcgagtatc 480
 ttgcgagcct cccacg 496

<210> 29186
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400006b03d1
 <400> 29186

gatagctcaa ttctacctgg aagcattgta cgaaacatgt aacgtaacga tacaacccat 60
 gttacaaggc atttttagaga gagggtcgtg tcctagaaca actgttcata aagatgccaa 120
 aatatataaa agtatcagca aacccttaa aaaatgacaa tgcatacaaaa ataagcagta 180
 gcattcaciaa ggatgctaata tgtttcatat ttcaataagc aaaatcttgg aaccttcact 240
 tttcaatttc ttgcctcagg aagtaagcgg ctactgcaag taggatgata aataatgcaa 300
 tccacaagct aagcccatata gtcttcttct cttcaattat tgttaccctc gcacttgaat 360
 ccatggatac agaagccacc gtcttgaat caaggagaa tgctaaagca gttactatgc 420
 caagggtgag cctttttatc attgtgtgaa tctgcatatt tgtngaattt acaactacaa 480
 tgtctcct 488

<210> 29187
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006b05d1
 <400> 29187

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cagagtattt ctaatatggt ttacaatatc cttgagatgc taaacataaa tatgattatg 120
 atctgactat cgatttttgg atagggatgc ttccagcttt tctttcaact gtatagcagc 180
 agtctccctt ccctcagttc ttatggagaa tgtgtgaata attttatcat ctgtagtcga 240
 aacactggag tcttgagcca caatttgatg ctccttgaac gttttaacaa cattagaaac 300
 aggggtgaata tctaaggggc atctcactgt cacaactgtc tcacctctc tttcctgaaa 360
 atccatatct ggcaatgaca atttttggtc ctgattgtgg atcatgttct tctcagcttc 420
 caacaccttg atcttcactt ggagatcagt gataaaggta atggcatcac caagcaaaga 480
 tgccttggtc catttagata tgtagggac aaca 514

<210> 29188
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006b12d1
 <400> 29188

gagaaaaatg aacatcttaa gcctgatttt atacccttgt gcaccaaag ccagcttcaa 60
 cagagatcaa aatcaccttg aaccatattc acaactcaga atattacaga gaaaaaaaaat 120
 taacaatact actttactta caaataaact tagcaatact ttaacaattt tcaaaaagta 180
 aaaaaattaa ttcttcata cacatatata gaccctctct tccacttgcc agtgagaata 240
 atggcaaggc aaataatgaa gaaactacag taagtgatgc tcttttatca actgatgata 300
 gaactgcagg tggcatgctc atggtcggtg ataaacatat tttgttcttg gatccacaat 360
 gagacctttt cctccattca cttctaagtc atgctgaaag acgaaatctg ggatgggtcaa 420
 ttgttcacgg ggtatgtatc taaagagctg tagtagtcta tcaacatata ccactttctt 480
 ccaaccatat tgtcaacagc aactgaagtg ccatact 517

<210> 29189
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006c01d1
 <400> 29189

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 atgcagtaaa atacaacaat catacaacaa aattgatatt tcagccttcg tttccagaac 120
 agcatatatc tgaacaacat gagatgcagc cgaagcatcc tagaccaatg cagagttgtg 180
 ccaatgcggt tgcacattgg ctgtttatcc gggtagacga ctggatgcag cacatgcaac 240
 agcagtaact gcacaagggt tcaaaacaat ttgtggctgc cttgaagatt tcgggcactt 300
 taggcaatth cgattcaaat cctggaggag tattttcagc agttgcagtt aagttgccga 360
 agccgatacc taaatgtggt agtaaaatca ttctctggcc ttggacgggt gcctcgaata 420
 gaggattgct cttttttgac gcttcttttcg gtccagatga ttccttgact ttcttttagat 480
 gatcagtcctc at 492

<210> 29190
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006c02d1

<400> 29190

aagcacaaaa gacgtggata acttgatatt attttattac atacatgcat agatagcctg 60
 ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat 180
 tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga 240
 tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc 300
 gctgctttga caacgcattc accactgggtg taccgggtgg aaccagaggg gccttggtca 360
 ggtaactaag gatggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt 420
 taaactcgat tcgagtgctg agctcagcaa gaaggaccaa gtccaagata ataggagcag 480
 ctaacagtga atcctcacat gtgttggtgca acac 514

<210> 29191
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400006c03d1

<400> 29191

ggaacaata acctaaatca ttaattatca aactgtacat ttcattccac acaatgccac 60
 aataattaac taagaactaa cctttccatc acgaagccta tgaacattcc taattttcta 120
 ctgtgcacta accttgcacc cttagatcgc ttctttatta ttttccccct tacatttata 180
 tggggcacca actacgaacc aacaatgctc aatgaatctc cagcagtcac cttttattat 240
 tccatctttt aagaatagaa aaaccacaga aggctcctaa gtaatcactg tttgtttgcc 300
 actgccacag tgcccttgg ttgctgcttc ttcttgataa gtccgtctgg actcccggca 360
 acattgtgct ctaaattctc atttgtgagg aaactgtcaa cttgtgctgc agcttgctgt 420
 ccctctgaaa ttgcccatac caccaaggac tgaccacgtc gacaatctcc agctgcanac 480
 acccctttaa gactggttga gaagcgacca tac 513

<210> 29192

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400006c04d1

<400> 29192

aacaataaat aaaatataaa actaaatttt acattaatat cgtatcgtgt ccaatgatgc 60
 ttactctctt gaaatctatc atttcaagga tataaagtaa aagtacaaat tatatcgag 120
 tgggtgctatt ataaacaaac gctgctccat atatagaaaa ggtaatgcca tcaagagatg 180
 tagtgaactc taaactatat ccatcatcca tgcaggtgac gtcacaaaga gattagaaga 240
 atatgctaca cccgttcttg ttcttgatca aaagattagc tccaaaaact cgggtagcca 300
 tttcttttac agtaaaacat gttcacagtc ttactgcata taatctttta tccaatagca 360
 tgtttatgtg cctttcttca agtgccaact ccaattaact tgagaatggt attgtgagga 420
 cttgcccaat aaaatccttg aaggaaaatt gggaaaacat tgcaagcatc agggatataa 480
 atcattaatg catgcatgcc ca 502

<210> 29193

<211> 485

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400006c06d1

<400> 29193

actcttaaca catacgcctt gcataaaatt atcaggataa taatacaatc tcaaattact 60
 ttacaatctt attatcaata tagccaacat agcatacatt atatatacgc aaatatatat 120
 atgaagtaac accataggca taattaaaca ctcttcaagc tcgcacagaa tttattcaaa 180
 ggcacactag aaatggaaga tatgatagag atacacaggc atgggtgatac tttggagctt 240
 gaatattaat tatatatgaa tatttatcat gttcagccaa acagatgggtg gtgcttcttt 300
 ccatgagctt cctcatcttc tttcttaact tcctttttct catgggtgttc atgcaagaca 360
 aaaccaccag caccaacagt agctgctgcc gcaatctcct cttctacctt gtgcctgtga 420
 gcatgctctg ggtctttctt ggcctcatgc ttctcatgca aggcataagc accggcagcc 480
 gcagc 485

<210> 29194

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400006c07d1

<400> 29194

ccacggaaaa aggaaagggtt acattaacaa tgtagttttc gaatagctta ccacacttat 60
 taccgctctc tctctctctc tctcctcatt catgaaaaga agtagtacta taattttgcg 120
 tcgcatacta gacttggttac tacttagaaa gctaactctaa tctggttacac accattatat 180
 tattatatta tattggctca aaagtattaa gcacgattat ggggtggctaa ttggctaatt 240
 ggatgtctcc gttatcaccg tccttaccct tggaccatga ggccaattta ccaaaggagc 300
 cttccatttc ctcaagggtc ttgccctgtg tttcggggag catggtatag aagaagatcc 360
 atccacacat tgcgattccc ccaaagagga agaatgcccc accaatagtg atcttattag 420
 agagggacag gaaagtcatt gagatgaccc cactagtgc cctattcacg acaactccca 480
 tagccgcacc ctgcgcgcga agcc 504

<210> 29195

<211> 572

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006c08d1

<400> 29195

atggcaaatg cattctttac taaaagaaac taatgctgag tattttttac atgaatcaaa 60
 tccatttttt cacattactg taacagatag gcctaaaata cattcctaaa atccaatagc 120
 agcagcaatt atacgaatta cttttttttt ttttcctgtg attggatgaa acttaagagc 180
 agtggattat catcattgtc acatatgatg aagcaatatt caacaagtgc aagaactgta 240
 tgaataggaa taagagttta tgtacaacgg gaaatgaaaa tagttgtcat ttgaacacat 300
 tatgctgtgg cagctgcttg ttcttcaaca gcctgtgatg ctgggagaag ggtgcaaatg 360
 aggttgcggt caccgtacac attatcaaca cgtcctgtgg taggccagaa ctttgagta 420
 cggagccaag gagctgggaa ggctgcatat tccctggagt atggttttgt ccatgcatta 480
 gccatgagca gtgatgggtg atgaggggag cccttaatac attgatgtaa tgtaaccttt 540
 ctttctcatc tcacaattct tgctaattga at 572

<210> 29196
 <211> 585
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400006c10d1

<400> 29196

atagtgtaaa atacaacaaa taaaaatttt cggtcataaa acttacataa tagtgttttc 60
 tactccgaga aattttctaa gctagaattg tacaggtaat tcttttcttt ccagaaccaa 120
 tatttctatg aaataataat ccaactcacc agaattctac ttacaggttg actgatataa 180
 cacagggaat gcatgcacat gggccgcagc cgtagataga tgcataataa atgctacttc 240
 cgctgaaac catttgaaca tgtgccagca tgcactaact tgaagaacct tgagctgctg 300
 tgcactttca acaaattcca tgcatgcact gctagacatt tcgttctaag atttgatctg 360
 aattcctcgt ttcaaaagag atttataagc tggagttctt gaccattcat caatttcgct 420
 agcacgtaga acaggcagag gatgtgacag ttgccttgta tgtgcattcc ttatatacca 480

cccaattggg ctggaagcag gtttttcata agagcgagct tgctccagga atgcatccac 540
 atttagttga tcagccatag atggacatnc cccagctaatt ttcatt 585

<210> 29197
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006d01d1

<400> 29197

ccagtaatat tatttaatat tataagcaga gattcataat tcagattagc cgaactttat 60
 acagaagcga ccaattacca aacattaaaa aaaaaaaaaa ggaagcaacc atgagcttaa 120
 cacacccatc acaagtccaa aacacttgaa cttgctgaaa ggcaagacat gaccacttta 180
 ttctaaggat gtttgtttaa cacaaaacac cagagggcac gaaaaccatt acagacataa 240
 tacataagtt tttagctaca cattaatagg taatcattat tcctaattaa gggctatatt 300
 tgcttgaagc ttgctttccc aacacctaac ttgcaagtgc agggggttgca ggagcagttt 360
 ggtccacatt tgcagccatc gttctaaggg ggcacacca tttcagcacc ctaaaattga 420
 gccttaacag gggccatttc catgaccaag gtcttg 456

<210> 29198
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006d02d1

<400> 29198

ggtctagata tattgatctt atttatagaa aattttccct catcatttga ttttcttaaa 60
 atatcagtca ataaagtgtc tgagaaaatc atgcacaaag cttacacaag aaagcaagaa 120
 attaatacaca ttaaccaagt ttggcaagga catcggtcag agaagataca gtagcagcat 180
 agtacttctc tgcttccggg ctgctcttaa tttttgctgc atgatccaga ttgctgatat 240
 cctggaagag cttgccagtg agttccttga gtgatttctt ctcacctta ggctttgcag 300
 caatgacagt gttgagatca aagcgcagat actcgccct gagacgcaga tcattctgaa 360
 catatggcca agccttcttt tcaatcaact tcttaacgcc aacaatttcc ttggctgatt 420

cctttgccct ttgtgcagca tcagttggag acaatggttg aaggaagaa 469

<210> 29199
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006d04d1
 <400> 29199

ccaaaaaaaaa ggggccctcc aaaaaaaatt ttccccgccg ggggggggaaa agggggccct 60
 ttttttttct tttaaccata aggacaaccc cggggggaac ctataagggg ggcaaaaaaaaa 120
 ttggaagttg aacccccaaaa cggggggggcc cccccccaaa aagggccccc aaccgggggt 180
 ttttcccccg ggggggggaaa aaaaaccccc ccccaaaatt cccccccata aaaggccccc 240
 tgggggggggt ccggggcccaa atttgccggg ggggggtcct aaaaaccccc cccttttaac 300
 cccggccccc ggggggggtcc ctttaaacgc taaaagggcc aaaacccttg gggggg 356

<210> 29200
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400006d05d1
 <400> 29200

aagcaaaagc aagcagatat tccttttaac ttgacaata aaacaatcac atattctttc 60
 gcttgatgac aaaacaagaa cagagcaaag gttcacataa ctcacaaaca ccacttttcc 120
 ttttcaatac actggtcaag aagaaaacaa caaaaacaga actccacaac agttgcgtgc 180
 tagtcctcaa aacatattag aaactttgga gaaatggatg ttcttcaact cgacattgta 240
 gctgctgctg caagaagagc aactccaaag gacaccaagg ttgtcccttg agtactaacc 300
 aaactcatgg caccagaact gtccttggct gcctgagcct ggatcatcat ttctgctgaa 360
 gcgttctcct tatcagcttt aggagcttta gccacagcgg gtgctggagc tataggctta 420
 ggcttagaga agtccaaagg aatgagcacc ttgtccacat gatatatggc aagtgtctta 480
 tcagtgtaca caat 494

<210> 29201

<211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400006d08d1

<400> 29201

aaagtaataa actatcactt cataggtcag gtatcatcat gataaaaacg cttttaacag 60
 gccagaatt ggacggtaac aatgggtttg atctttaaaa tagcacatgg acacttcgaa 120
 ggcatgctat gcctgctttt gtcccagaag ttgaagaatt gaaatcttgt gtgatgagac 180
 aatcgatcag tacttgacta taaccctaaa attttagcta atttcaattc ctcccagtgt 240
 cagcttcaag cattacgcat ccaaactaga cactgttgat atttgggggtt cggatttctt 300
 gtttttctct tgcataatta attctacaaa gtccctaaaa gcgtaatcag aatcatgggg 360
 tcctggggat gcctctgggt ggtattgaag agacattatt ctttgagcag ggaatgcaag 420
 gccagcacag cttccatcat taagattcct atgagtaacc tccactcctt ctggcagtgt 480
 ggcagggtca accgcatang tgtggttctg agcactaatt t 521

<210> 29202
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006d11d1

<400> 29202

gatgaaaagg aaagataata tatataattt gttgaataac agaacagaga aacaagatgt 60
 gaaatgaaaa tgaaaacata tggataaaag aaggggagag atctgcaacc tttgtggcag 120
 accccaccct gcattattac acctttcttt ctctttcctt acagatctac attacattac 180
 attacatata cttccttgct gcttttgctt tctgtttggt tccctgacat ttatatatgc 240
 atatatatcc ctcatctata tatacccgat atttatatta tgtataattg ctacaccaac 300
 atgcatttgg atccatggac acggaccacc acaataatta agaaaaaata atagtaataa 360
 ttgaagaaaa aacaagaaaa atgatccaag gtaggtattt gaattatctg tttctctttg 420
 tttcttgtaa aaacataaac aagggcatgt ggtgtgagga taattaaggc ttgggtacgt 480
 acgtaggtga ttattcattg tcaagtgat attccttt 518

<210> 29203
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006e01d1

<400> 29203

gcacaaaact ggtaaaattc cagatcaata aggattgagg cgaagccgca aagatacaac 60
 attcattagg gaaaacagga gtgggggaaaa ataagggggg aggggttgag gaagaaccta 120
 ttgctcacag tgcattgcttg gacccctaac tattccacac acagttattg ctacaaccca 180
 ctatcgagaa aattcctctt tgggtgtatta ttatataaag cccaaccaat tgactcgtaa 240
 gattctactt tcttatacca ttcacttggc aagtgcgttg ccgatgagtt ttgctgcggc 300
 aaccatgttt gtgagggctg gcttcacctc aatgtactta cgggtcttga gccacagtc 360
 agggctcacc cacaagatgt tcttctcgag cactgcccgc attcttgctg attctgtcac 420
 cactttcttc agctggcggg atacttgggg agtggatgtt 460

<210> 29204
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006e02d1

<400> 29204

aagcacaaaa tacttcgata actttatatt attttacatg catgcatagc atagatagcc 60
 tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac 120
 atttgccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca 180
 ttcaactaca gtatcccaaa ccattactct taagactttg aacttcactt gtactccagg 240
 atcatgttgt tctcaggaa taatccaaca caagccctta ggatgttttc cagcatagct 300
 cgctgctttg acagtgcatt aaccactggc gtactcgggtg gaaccagagg ggccttggtc 360
 aggtaactga ggatggtcgc aactgggtgg aatgagtga actttccctc attttcagct 420
 ctaaactcga ttcgagtgt tagctcagca cgaaggacca agtccaagat aataggagca 480
 gctaacagtg aatcctcaca agtgtgtgca acacaattgt gttctttccg ccatga 536

<210> 29205
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006e04d1

<400> 29205

ggggaaaaaa taaggcccca aaaatttatt aaatcattga accccaagg gaaaaatgta 60
 aaaaaggccc aaaagggggc ccaaaggga catttaaccc acaaaaaaac taggggtttc 120
 ccctttaaca aagggttttt tagaaaacaa atttttaag cctgaaaaat ggggaccca 180
 cattggggcc cccttttaaa aaacatgttt ggcctttga agcccagat ttgggggggg 240
 gtaattttaa aaatggggag cctggaaaat ttaattttgg taaaccccaa tttttctggc 300
 caaatggaat ccggttttta aaaagggtgg accacaaaat ttttcacatt caaaaaagcc 360
 cgagcctttt aaaagcctgc caaaagggtt tgg 393

<210> 29206
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400006e05d1

<400> 29206

aaaagaaaat aaacttgat tttatatatc ttaagaaagt aaagggggtg ttcagacacg 60
 gaagtctttt ccagtgaag tttgaccaa ttgccaattt gatggaacaa tgttccaaga 120
 ggtggaagag cgacggtcgc tggcggtgac tctgaaggac aaagcctgac ccacaaaac 180
 ggcgtttgac tgccagttct gtccccagtt tctgctcatt ggcatccacc ccgttcgtga 240
 tcccttaacg taggcgtgca cgatatcccc tgcacccgct acgttgctga tcaaaaccag 300
 gttaaagtaa cggaaaccgt ttattgtgaa cctgatccca ccatgcttcc tacatgccac 360
 cctgcggaag gcgacaggca cgatgccggc gcggtattcg gcgattttta ggaacatggg 420
 catggcgagg tcgaagtga ggcgaggagg gttgcaccag ccgccattgt cgtttggaag 480
 agcgtagtta gggggacaga agttggtggc ngtgatgaag atggaggggc tgcggagtga 540

caccact

547

<210> 29207
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006e07d1

<400> 29207

caaaatatct tcataatcta tcagagcaaa aaaatattca ggcaactaaat tagaaatttg 60
 ttcaactcat ccggatctaa taattacttc aagtgccctt cccttctgta tgattatgat 120
 tataccacca aacgaaagat ccatatcatg cttacacccc aggaaggata tactgcaaat 180
 acaccattaa ctcaatttca tcgacgcaaa tttttctgcc agatctatag cctcgtttac 240
 atgtgatgcc tctgtaccct gacccgttgc aagaccacct ttctctttac cacatctccc 300
 ttttagaggc cccaaagcat tactcagcca atctgccaca tccagattac ctttacctcc 360
 tttctctggc accccggcac aactacagc cttgttcgta gattcgtccg tgctaaaaaac 420
 catcacagat tagcccttct ggtccatgac ttatgtcaca gccttacgaa ctgcagctac 480
 atccagacca acatcaacag gagatataca agatgttatc catttgaaac agcaagt 537

<210> 29208
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006e12d1

<400> 29208

aatcaaacac gctaaaaata ctactaaaga ctaaataaat tatcccatat catgtacaag 60
 caatatttca aggattccct tttcaacatg accaaacaaa gcatagaaat caacagcata 120
 aactacatc ttacatgcta aattacatca ttgatgggaa agacaagtat taccaataaa 180
 accaaacacc tttcaatgca tcatcatgca ggaatgtgaa agtgacaaac tcctctttcc 240
 atatcatctc taaaatagat aatgaaaagc tgcaaccatg tatggaggtg cctttccctt 300
 tcaatgatta aacttgccca gcttagggta atattgacac tatcaccaag agaaaaaaaa 360
 acctccaaat acttcaagat gatattgggt cataagggtg tgataaccat ggggtgcttca 420

gtgcttcgga tgcagaaggt cgcttcttcg gggttaacctc gagcaaata gcaacaaagt 480
cgatgaagcc ttggtccccc atcggtaatc tataccttaa tgatgtcttt ttagga 536

<210> 29209
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400006f06d1

<400> 29209

aaaataaaaa aattcttttt aatttatattt aaaaaaattg gatgttacac cgtcatactt 60
acaatatgga ttgaagagaa aaataatttc agctgaagag ttacaaaagg aaaatcaaaa 120
caaaggctgc acaaagttgc catatcattg gtgggttgtc acttccttgt agtgggtggat 180
gggtatatgc ttttgaagaa gtcctatcat tttcatcttc ctctgtatgc aaataccatt 240
ccttccacta aaaaacaatg gccacttttt ttcattgatca aaattacaat gccctaattg 300
gacaactctt tatgaagtaa tctgaaaagt caatgtactt tgggtccaca tggcttttaga 360
tggggaaaag ctatatattag ccattggcttt gccctgccat tgaaatggat gacaccagca 420
gtttcagcat cagcaaaaact tgttttttcc tgatatccca atc 463

<210> 29210
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400006f07d1

<400> 29210

cttatcagaa taattcatta tttattaaaa cggaagtaat caaatcacct gttgtaataa 60
gaaattgaat aattagaata caaataatgg tttcctcatt gctgtttttt ttcttcttca 120
aatttcacaa tcaataaaaa ttcttctggc agtatattat ataggtag ctctgttaa 180
gggtgtgatg agttggaaat agtctaaaat gagtttactg cttcatggc ttcgaatctg 240
ggctccttag gctggaactt gagtgtcgca tagagcttca tgtaatcctc aaatacaaat 300
tttgatata cttgttctgt atcctctgcc ttttgctcca acaatgctgg tgcagggtag 360
ataagagcgt cactggcagg gttgtagaat gaggctacgg acattctggt cccattcgtt 420

tgggcaatca cacgatgctc cacactcttg tatctcccat tggtaatgac ctcaatttgg 480
tcaccaaggt taacaacaat ggaatggcgc attggaggca catccaccca 530

<210> 29211
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400006f08d1

<400> 29211

gactaataaa ggacaaatth ctctaaaaaa aaataaaaat aaaggacaaa taagggtcaa 60
atgaaatcgt taacttattt aaaaagatct ttatacgcac ctttccttct tacctctacc 120
tttttctcta ctgaagcatt aagcaacaaa gcaatgacag ctaaaccgag caaattggga 180
gaggttctat tttttcatgc cttgatatta tctacatata cacattagca gttgaaaacc 240
ctgaactgct ctataattaa tctcagcttg gtattatata tctttgatcg gcttttagtat 300
ttccacacac ctgttcattt gcctgggtgaa tattggactt gcacagagga caagttgcat 360
tcatttttaa ccatatcact atgcactcat agtgaaaatg atggtgacac ggcttaacgt 420
ttacattaac tccatgctta atggatga 448

<210> 29212
<211> 342
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400006f09d1

<400> 29212

gggttccaag gaacaaaaca aaatgcctta ataatatctc agggatatgt tttggacatt 60
aagattggag aaaaacctga agatgaatga tttaaagagt tggagctttt ttaaaagacc 120
eggcaatgac agtgggcaag ttgttgccaa aaggggcact gaaatgtttt gctaggtttt 180
taacaggacc ttttccgggg acatatgctt ggaagttgaa accaagcttg ggaaacattg 240
caaggctgcc atttttaatt tcttcacct ttagcagtgc aacttggttt ggatcatttg 300
caagcccaa tgggttaaat ggaccacctg gatgaaattt gt 342

<210> 29213

<211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006f10d1

<400> 29213

gatatataaa ctcatttatt cagttacact attataatca tatttacgta gctttccatc 60
 ctgagctttt agactagtat acatgcttat ggacaattga catgccgaaa ggaagcaaaa 120
 aagaaaaagg aaaaaagaaa acagaaaaac caaaccaaaa caagtctaaa aaaaaaaga 180
 gtaacataac atgttgatg ttccacattt ttatttatgt ttgatatcat ggcaagggtga 240
 gtccagagga gaagcttata ccagccatgt tccaaccctt cattttgcaa tcagggagag 300
 gcatccacgt ccaccggttc cactttgtat caaaagagag ccacgtcatg tcccaaacac 360
 cttcacaatt agacaccaac gcagccctaa cgacaccgtt tttctcttct aagcaacca 420
 tcattgctgc ataaggett ccaatcacac caggaaccgc agacacaaac tcccactttc 480
 ttccgtctaa actcaaacc 499

<210> 29214
 <211> 580
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400006g01d1

<400> 29214

cttatcctca agctcaccat cagaccctga ctcgtcttca tcttcataat ctgtgtcttc 60
 atacactcta tcagatctag accttttctt accgtctttg cctgaccttg gggcagcatt 120
 ttccaaatta gagacactag atagctttcg atgtttcttg ttttaattctt cttcatctct 180
 atagactgca gaaacttttg acgttttcag cttttccaag taccgaatct catcatcttc 240
 gtcacgtca tcaccaaatt ccccatcaag tacacgtctc tttggtactc gcttgctctt 300
 acgaactggg tcagacttgt ctcccagctt actagttgtg ttctttccag aaatcttccc 360
 catcaatgat tctccttcc caagacaaa accacccctc gagaaatcct tccacggaac 420
 accttgtaga cgactcctct tatccgaagg agagttatta tcgtctgaat tactctgttg 480
 cttttggcgt ggtctggaag catctgatga acgagacttc attgttggtc cacttcccga 540

agcaccattg gttgccgaat nggcttgaat agacgtgtca

580

<210> 29215
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400006g02d1

<400> 29215

agagcataaa tatactggaa tattataaga tacttggaaat gttctcttac ttcttagaca 60
tgaatgacaa agtctgaaag taacacatta atgtagatta gtgagacgtg atgaaaagta 120
atatgaatcg accatgaaac atggagctac ctaccacctt ggcaaacatg atcaaaggt 180
ctccgaatct tgtttctgca cctccccctt acaaagggtgc atatacacat tatcacgtag 240
ttcacgggat gaaaaatatg gagccaaggg ttggctgtta ttgaactcaa taacctcgt 300
gtcagaatca acgcatccct catcataact attacttaca attcaaagtg ctcttaagtt 360
catgaaggaa gataattctt atgactagtt gtagtgaaca cagtcaacgg aaatagtctt 420
gaatataaaa caaacaagta tatagcatag gcaaattctac aagagagatc tttgataaac 480
aaacaagcat agcataaatc cacatggcag atctttgatt cagaattttt gagattaaca 540
naatcattca aat 553

<210> 29216
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400006g03d1

<400> 29216

cactaataac tgcaagagta aattaaaaact ctgcgaaaac attgatatcg ttacaaccac 60
tgatccaagt gacccttatt ttagaataca gttacacgca caagtgcaca acacaagacc 120
ataggtaaaa acataaatgg catgaacaat gagtcaaagc aatggcagaa caataatatt 180
aacgccacca ccacttgtaa cagtgcactc agttcctctg cagtagcaga gaaattagac 240
atagcccctg ctcttcaaac tctccactgc atccttgatg atttgctcaa caggagtga 300

tatgcctaataat gaggaattaa aagtatagaa tttcaagcca ggaataataa aatgagaaag 240
 aaacagaaag cagctgtaac atttttaaaga ccaacttaga actaccctta ttgatacctaa 300
 ccatagcttt cacatgacct cactgataga ttcataatac tagtgacctta gaattttgct 360
 tcagttgttg agaggtgcag gatatactgtt gatgcaatca agccaagggt tcctagaagg 420
 cttggtaact cggcgcattg cgcgccaaac cacgctgttg cacttgaagc ctgagccaaa 480
 tgcgagttgc caaacgcggt ctctcttctt cacactc 517

<210> 29219
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006g11d1

<400> 29219

gcagtaaataat ttgtagcatt tcattggaaa aggaaatata cccaccataa gcaattctca 60
 tcaatcaaat cccccagaga ctggaggaaa cggattggga atgaaatagg ccatttccag 120
 acaccacaca aataaaaaca taccataaat atagcacaaa tggagtatct ctttccccta 180
 tcgggaagta ttgggcaatc caacaggaaa caaagaggaa acaatagaat ccctatctct 240
 agctaataca cagataagta atcggccctc atgtttcatt cccaaacgca tgcacgaat 300
 cctatggaag attccatcat ccatcggaact cactctgcat cctcaccttc accaagcttg 360
 gcagtgccat tcactttctg ggcattcttct ccatcttctg ggatgtcaga agtccacaaa 420
 gttaggttgt ccctgagaag ttgcatgatt aaggtgctat ctttgtatga ctctcattc 480
 aaggtgtcaa gctcagaaat agctttatca aaagcttgct tcgcaagatg aca 533

<210> 29220
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h01d1

<400> 29220

acaacaaatt ctatactagc gtgcttttatt gacatcaagt acaagaagta gcagcttcac 60
 tctaataatt gccccacct tattacctca aatatataat acaagtaaaa aaaaaaaaaa 120

aactgttggg aatgggatca aaatttcac cataataaaa actttcaaca taaccagga 180
 aaaaaatgac agcttaaaact cactttaaaa aaaaataaaa caagtttgat atgaatcaag 240
 tgtgcatgga atcagcacta acccaagtcc aatgatgctt tttaacagaa acagctttat 300
 ccgcaacaat tttgtcttga aaaacccctc cataactcac gacctcgtag ggggaaaaat 360
 cccctgggg caaacccctc acggggggcac tgagcgtgtg caaacgtat caaccgggca 420
 aaccgggga cgaaccgaa tcccggttct aacccttatt ttatacgaat tggga 475

<210> 29221
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h02d1

<400> 29221

atactcaatg tagggcaagc caatgttttt ctttaccaag ctcgagaagg gaaggcacct 60
 ttatagaacc catatatacct caccagcata aatttaatat aaacaaagat aagcagcaaa 120
 agatctaacc gcaataatct tagataataa ttgaagttcc caataaaata tcaaacaaaa 180
 cttccgaaac atgcattcac cttgacacca ccacggttta ctaggccaaa aacaaggaca 240
 gatgcctaac gtccttagga tactcactct attacataag ccaaaaataa tacatgaaag 300
 acctgggtta ccaactgcaa aaatatcact gaccaccatg ctttgccttg ttatgttggt 360
 gcagaccact ttcagagttg aaagacttgc tgcagctttt gcaagagagt ccaccagaca 420
 tgggagtctt ggcttcattg ttgggagtct aggctttggc ttcactgctg ggagtc 476

<210> 29222
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h04d1

<400> 29222

aaaaaaataa gggcctacat gaactgggtc ccaatatatt tatgggaatg gggaaattaa 60
 ccagggggcac atgtttgcaa aaaatattcc caaaaacccc ctttaatttat tgaaaaaagc 120
 ccattggttg ggacaagcaa atgccctaaa cccattcca tactttgggg aacaccaaac 180

cccttaaata caagggccaa cttttctttt aactgggggc attttaaaag cccttgaaaa 240
 ttctgccaat tgaaatccgg aaggaagaa cttccccggg ggggtataac ctttgggtcca 300
 gacccaagg actattggag ggcccttaca aaccctcca aaattttt 348

<210> 29223
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h08d1

<400> 29223

aaaattcata acataagaat tgaagagatc agaacaagat aataatttaa tatcccttat 60
 ttgatttctc tgagggtataa accaaggtac tacatacata tatattagaa aatttttagtc 120
 aactaaacag gataaaatta cataaatacc tgatcagcca ctactccatt tgcattgtctt 180
 gcaagaatag atcgagactt cccacttctc tcagtagctg gtcctttatc agattccagt 240
 gcattcctca ccctagaaac tggtaaacca actctagaag acctgggttg ttgcactgca 300
 gcttctattg ccttacttcc accaataaaa tttgggtggg aagtgttgat gtagtccatc 360
 tccatttcta tgacgtgtgt tatcatagtc tccgagggtt ctaggccttc tcgtaaaaag 420
 ttcccaataa cttcatccat gcgctttctc aagaaaggga accgctgcaa ttcagtgacc 480
 atacagtgat ggctgatttt cattaactcg tcatatataa acctagcgca ctgaagactt 540
 ggatccatta gtcga 555

<210> 29224
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h09d1

<400> 29224

aatgtgaaaa agcatttgat tcaagcacia gatcgaggaa aaagtaactt aaattacagt 60
 aagttatccg agcatcaatc ggcataacaa tctctttcca cataaattga ttcagggtcc 120
 aatgaacaa gttggaataa ccagggtctt tatacattaa cacaacacac agaataattc 180
 ccaaattcta catgaagact cctcaacctt ttttcgcata tcccatcat tatgccattg 240

tggccaatgc tctgaatcag ctatctgttg ttgcctcact tgcattttcg ttagaggtct 300
 gtcgcacaaa ttgtccacga aatcgaggtc gttgttcagc taatctcttt ctgctctgat 360
 atcgaacctt tttatgaaag cacctctccc ttctctcttt tctcttttgg cgaaatttag 420
 ttaaggccac ttccctttga gaagtcttgt tttgatctac tctggttgga cttccacttc 480
 cactagcatc accactgcca ctattcccag tgagtccatt gttgctttcc gtggttgccc 540
 tccagcatta act 553

<210> 29225
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h10d1

<400> 29225

acattatcat atccttacat ccaaacggag aacacccaaa tgacacagaa aaggaccag 60
 gcaccaaacc aaccaagacc gcacaaccag ggtcaatacc cacgaacacc aacaaacagg 120
 acaccacaa aagacacacg aacaccccaa aaccggggac tcgataaacc cctcacaatg 180
 gacatggtgg c 191

<210> 29226
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400006h11d1

<400> 29226

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcac agccgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgcg 120
 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180
 aaattttaaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaacc 240
 acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcaattggac ttgaaggga tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatggtccca ccagaagat ccagtgttca tcccaaccaa 420

ggtccttggtt gaagatgata gcagcaccaa gactacgagc agggttgata cc

472

<210> 29227
<211> 176
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400006h12d1

<400> 29227

aaaaaaaaa aaaaagaaaa aagaaataaa aaaaaaaaaa ataaaaaaaa aaataaaaga 60

aaacaaataa aaaaattgag taatatgaaa aataaaaaaaaa aaaaaaaaaa aaagataaaa 120

aaaaaaaaatg aaaaaaaaaa taaaaaaaaag aaaaaaacac aaaatgagct gaaaaa 176

<210> 29228
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007a02d1

<400> 29228

gacagaaaaa agttcattta gcacttaaga taggaccaag cctgtgagag tacaagggta 60

agattccctg gtacctataa cagatgaaca agtacagaag cgagaatccc actggacagg 120

gcattatcgg attcactact gatgtcaggt tccattctag aatctaagtc acctgaaagt 180

ctttcccttg atccaaagtt cagaagaaag ccctgcttcc ataaaacaca cgggagttag 240

tgctgctcgg tgtctgtatc ttctgctcat agctagagtt tcttgagcta gttgggtccac 300

tttcaaagtc cataggaagc ttcattttcg ccaatgactc ggcggaattgc tgcattgcttt 360

gcatgtacat atcgacaaaa tctgctgca gcacatttgg ctgcggttg atgttaacag 420

tgacaacagg cttaaggaat gactgatt 448

<210> 29229
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007a05d1

<400> 29229

gcatcaggaa atcaatgata cattatattac agggtaaact aaataaccgg aaggaaaatt 60
 ttccccatc cacaaccaag tgcatttcat ttaatgaggt aaattcacat gactagaaca 120
 tcatgccccaa gttaagattg aatgagaaga acaggaacat gcatgcaagg ctagggggtt 180
 gccttaccag caacctgttg attactagaa tcatattcat tttcacttag ctcttcatca 240
 ctggagttct tttctgtggc agctcctatg tcttcaggtt tagcatactt ctcacagaac 300
 tctttaaccc tttggtcata aatggctcag atcacgcata attaaagctg cagtttctac 360
 gctcaagggg tcttatggat tgggataccg aaaaagtgtg g 401

<210> 29230
 <211> 575
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007a07d1

<400> 29230

gaaataaata ttatctatgt aaactgataa aagaatgcaa ggtagcatcc tcttagaaaag 60
 aaagtcaaaa tgaagaaatt cactaaatta cagccaaaca ccatgcaaatt ctcaactcca 120
 gtctccagta acagaaagca cacgcataga ataaaaggct cacaaagcct tatgggtgatt 180
 ttctagagac caattccatg ttctattaca acatcctaata ggtaaactat caagagagag 240
 actagccttc tcgtatgcac tccacaaatt ccttggccaa tacctgcttc actatgcac 300
 gtcacctcca gcagctcggg cagaatccac cttttgttcc tctccatctt cagggatgtc 360
 agaagtccac aggggtgagat tgtccctcag aagctgcata attaggggtgc tgtctttgta 420
 agactcctcg ctcagagtat ccaactcaga gattgcttca tcaaagcct gcttagcaag 480
 gtgacaggcc ctttcaggag agttcaaaat ttcataataa aagacagaga agttcaaagc 540
 caggcccaaa cggatgggat gtgtggatgc taact 575

<210> 29231
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007a09d1

<400> 29231

gagtgaagca aaattcttga ccaaattatg ttcaaatttt ctaacaaaca gattgaaagt 60
 tctgtactgg acaaaactac aattgaacat ctaaactttt gcagcttata tttttctgtc 120
 cttatttatg cttcctgctt gcattttttat ccaactaaat acacaagtat tcccttcatc 180
 acaacccttc agagagagtt gggaagcagc tctcagatct tgtaagcaca gaaccatgaa 240
 tttttgtgag agtcttggtt ggactatttg gtgtggacct tactctaaga gaatccaaag 300
 tccttctaag aatctgtctc atggctgata tcaagtgcac tgtcggattt ggaggaggcc 360
 ctgatgcctt gaactttgtg cagaagttca tgtgcttagc cattgcttgt tctgtgcaaa 420
 caagtctctc agacctcaca atttcatgct taacagcctc agcacacaac ccacaaacct 480
 atttcccaaa gtacctctct ctgatactat ctatat 516

<210> 29232
 <211> 505
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400007a10d1

 <400> 29232

aagaaatcaa ttatgaactt gaacctttat ttgttcaccg gggttggagt tcagaactgc 60
 acaaaggaga cttgatctca aaaaatgaga aaaggaaaac aaaaatcaca tttaaaggat 120
 gctcttctct tcaactgtgt gtgctctttt caataatagc tattaacttc agcgatcaat 180
 gccttcaatt ttgtcttcca cttctgaata caactgcctg agcttctcaa tattatcttc 240
 tgaagtttcc caataaccac gtccattggc ttccaagaat gtctgcacca gtttcctgaa 300
 ggagtttgga ttagtgctca tgagcttggt cagcatttgc tcatcttgaa tgaaagtgtg 360
 gttggcttct tcatacacc agttatcaac ttggcctgaa gttgcactcc accccactgt 420
 attggtgagt ctcttctcga tctcgcgtac accctcatat ccagtagaca acatgccttc 480
 ataccacttt ggattcaaca gcttg 505

<210> 29233
 <211> 553
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400007a12d1

<400> 29233

ctcatgatgt tcatggaagg caaaccacc agatcccact gcagctgctg ctgcaacctc 60
 ctcttctatc ttgtgcctgt gagcatgctc tgggtcttct tctgccttgt gcttctcatg 120
 caaggcgtaa gcagcagcag atgcagcacc taactcacca aggtgctcaa gatgcttggtg 180
 gtgcttctct tccttcttat agtcaacctc atcatcatc ccaccaccac ttgttttgct 240
 gtaccacca tcatggtag tgtcagggtg cacaccacca ccaccagcgg cgccatagcc 300
 accacttgggt ttgccgtagc caccatcagt gacgtcagag tatccaccac caccagcgcc 360
 atagccacca gaagtctcat caatgccacc agaataacct gttttcttgt acccaccttc 420
 atagccacca ccagaagctg gctcatcact agaataagat gtcttgctga accaccttca 480
 tagccaccgc cagaagactc atacgatggc ttgttgaaac cagagtcata gtcatacagaa 540
 agcttggaaat atg 553

<210> 29234

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007b01d1

<400> 29234

atactaacaa gctgtgatta gccagaacta tgttgaaaac actataatac acgttgatat 60
 gaaggcacag aagctgaaat agccgaatga agtgccaaac ccttctagga gttgggaaca 120
 atggtgccaa catatccaaa tgccatgatg aggaaggcaa aagattggat aaagaggaag 180
 atgaagaaat ggtttttccc gaacataaca tcatagcagc cacaaaagaa gaggtagaat 240
 gcgacaccaa gttccaacaa gtgaatcctg tctccaatcc tgaatcgagg ctttttaggt 300
 gctttacctc ctgcttttagc cttgagagca tcaccaagtt tttcagtgac aaccattcgc 360
 ttcactcgac tggcctcaag tagaccaata attgttgctt ttgttcgatg cagagacatg 420
 acatttcaa agagaatcca gaagaccatc aaatggagt accttggagt tccaactgca 480
 tttagaatag tgatgatgga agggatatag acagctcccc actttgggac cacaacctca 540
 ggcaccaaag ctgttgacagg taataca 567

<210> 29235

<211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007b02d1

<400> 29235

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attcaacaaa catttaatta ataacaagga caagtttaca tttttttttc caccttacat   60
atgtacaatt gcaagcaatc gcacggcttg agagtcatat attcaccctt ccattcttct  120
tcatgctaca aactatatta tatttaattc ccacattttt gttttccttt tttttctatt  180
gccactgtta cgtacacttt gcaataaaaag gaacaacaat aattatgaaa gcctagagcc  240
aattaagatt gattttttct taactagccc aaagcatatg tttaatctta atcacttgca  300
gccaccagca ccaaacccaa ttcttccacc accaacatca tacacaacct ctattgtttt  360
ctgctgcacg ttcccatata tagtaacatc actatcgta ccatttgag caaaagccaa  420
gcaaacttgc ttggcactgg ccacgtagag tatcccttgc ggcggaagct gcaccgtgac  480
gccgtcggcg aaggaaaaa                                     499
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<210> 29236
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007b03d1

<400> 29236

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gcagttcaaa cgcattacta gatagtatac acatacaaac acagaacaca acatcaaagt  120
gacaaccatc gattaataat aaatatgtag ggcaaataaa aaacgaacaa agatatctag  180
ctcttgctgc tttttgaagg tgacttttac agtactccta gaggggcaag aggttgctgc  240
gatctgatcc tgctctttct caaacgctca gcgatgatga aagcaagctc aagagattgt  300
gaagcattga gccttgggtc acagtgcgtg tggtaacgtg agctcaagtt atcaaatgtg  360
accgttcttg acccaccat gactcggcc acattctgac ccggcatctc tagatgaacc  420
cgtactgggt ggcttacttc ttgctcgtgt acgtcgaata atgctatcac ttgggccctg  480
atggaatcga acgggctagt attaaaaaca caggagagccc ttatggtggt gtcatgcata  540
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ggagcactga

550

<210> 29237
<211> 308
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007b09d1

<400> 29237

aaattctact ttgattgaat caaaactgta ataaagttcc taagactggg gctatacaga 60
aaatttgaga aatgatgtac ttcaacttgg caaacaaaat tctgagacaa gatatgctac 120
aacaagggtga aacagctaaa aatgaggaga gaaaaaatgt tacaatgagg tcatagtgtg 180
atgagaagat attagaagaa aaaaaagaaa gaaagaactg ggattgccat gaaatgcagt 240
aagcatgaca tctcaaaatt gagaacagggt tatgactgtg gttgttggtg ctgctgggtca 300
tctgtatg 308

<210> 29238
<211> 364
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007b10d1

<400> 29238

gcagaaaagg gttcattaaa tgtcacaaat tttctatttg actatgtcgg caaagaccct 60
gttttaggag gcacattgga tgacaagacc atagacgttt aacagctggg ctacaaacat 120
ataaggcgtg agaaatcttt ataactgggg aattctacac attgggtcacg tcagaaatca 180
tctccatgaa tatggaagct aaggaaacct cccttacact tgaaaccatg gctatgactg 240
cgactttata acgtgcagcg ctattcgata tattgccaca gaacctgaat tttcagtggg 300
accgacacca tgggttcttta tgcaattcaa gaggtactta aaggcctcaa ttctacatgg 360
aatg 364

<210> 29239
<211> 558
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007c02d1

<400> 29239

gagcaaaaac ttatatcatt gttcaagtag aaacggggaa aagtacatta aaaaaaaaag 60
 agaaaaataa aatcgcaata aaaacataat gacacgctgt tatctaaact tcaaaagggt 120
 ctttgacaaa atcaagaaca acccatgaga atcttctgct taatcgactt cctcaatttt 180
 ggggccagca ccgcttcac tgccagctgc aggaccatcc tcatccatgg ctccaccgc 240
 atcaccacca gcacctgggt acatctttgc tatgatggga ttacaaatgc tctccaactc 300
 cttcatctta tcctcaaatt cgtcagcctc agcaagttgg ttccatcta gccattggat 360
 agcctgctca atcgcatctt caattttctt cttatcatca gaagacagtt tggaagcaat 420
 cttgtcatcc ttgattgtgt tcctcatgtt ataggcataa ttttccaatg catttttggc 480
 ctccactttc ttcttatgct cctcgtcctc agacttgat ttctcagctt cctgcaccat 540
 cttctcaatc tcctcctt 558

<210> 29240

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007c04d1

<400> 29240

gggaaaaaaa aaaaaaaac agggcataaa aaaaatcacc aacaaaaaac ttttggaaaa 60
 aaccgggcta aaaaaaaa gcaaaaaaag ccccatggg gaaaccctt taaaaaactt 120
 tttggggggg gccggttttt taaaaaaacc tttgaaccg gaaaaagccc caacacattg 180
 ccaggggaaa gaaaaacggg ctcttttccc cttaaaaagt cgaaaaaaa aggggcccc 240
 caaagggggg aaccaattgg ccaaaaaagg ggttaaaaaa ccggacaccc ccatgggggg 300
 gggggcccaa aaaaaacca aaggggggtt ccaaaacccc gaacggtggg gggcccttaa 360
 aaaattcccc aacaaaaa 378

<210> 29241

<211> 538

<212> DNA

<213> Glycine max

<213> Glycine max

<223> Clone ID: jC-gmst02400007d02d1

<400> 29243

gtataattca caaaatttat attgtaaatt ttttcttagt tggacttaga cttttcaaca 60
 atagacctaa catccacctt gattatcaac accaattgta tttaccatgc cttgtcatct 120
 aacaataacc ttccaaatcc tgctatccaa aaaaatgtgg ggtttttagga aaagcaatta 180
 tgtgtcattt ttgtgatgac catgacctgg ctgaaaattt gtgtcacccc tttaaacgaa 240
 agttttattt gctagtgtta gcagccttgt acattcttgg ttaacgacga taataaggaa 300
 gattttccgt cttcatctac tctgatcacc gctttatctg g 341

<210> 29244

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007d04d1

<400> 29244

gccatgaaat ttcactttcc atcattccat tccatgctac tactcttgtc ttctctcgtc 60
 tcgttccac tgtacactat ccaatattat tattccctaa aaataaaaat taaaaggaa 120
 aacagcttcc ttcttttttt tttttctctc ttccctccct tgatcgaagt tcttaataaa 180
 cctcattttg tgaaaacact aaatagggtca taataattac gaatccacc tgctaattcc 240
 aattcgcttc accgacacgt tcctaaaccc ttccatcatt tccataccct gaaaacacat 300
 catcccatc ttctgtgtct ccatgtaact cctcacctcc ttcttatca tctcatgcat 360
 caccgccata aactctccac tcaaattcaa cgctcccaat ccaacctccg ccggaaccgg 420
 tgccggagcc gcaacggtat tcaccggcat caccggcacc gtagttgcgc gatttgaaat 480
 ttccgccgac ttcacaccgg gaagagacag cgacag 516

<210> 29245

<211> 549

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007d06d1

<400> 29245

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aaaaaatcta aaactaaatt ttacatcaat atcgtgtcca atggttactc tcttgaaatc   60
atttcaagga tatgaagtaa aagtacacat tatattgcag tgggtgctatt ataaacaaaa  120
gctgctttcc atatatagaa aggttatgcc atcaagagat atagcgaact ctaaactata  180
tccatcatcc atgcaggtga cgtcatcaag agattagagg aatatgatac acccgttctt  240
gttcttgatc aaaagattag ctccaaaact cgggtaataa tcaataaaca ccgcgtggta  300
gccaatTTct tttacagtaa aacatgtctc actgtcttac tgcataataat ctttatccac  360
gagcatgtgt atgtgcctct cttcaagtac caactccaat taacttgaga atgttattgt  420
gaggacttcc ccaataaaat ccttgaagga aaattggaaa aacattgcaa gccgcaagga  480
tataaatcat taatgcatgc atgccatcc actccagaac caggtcatgc gacgacaccc  540
acatacatc                                     549

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<210> 29246

<211> 536

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007d08d1

<400> 29246

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gaaagagaaa acgaatatgc cattttctac agcttggaag ctacacagaag cattgctttt   60
acagaacaga cagagactcc tttccccgcg tgtcaaaagc cacaacttgc acagcacgta  120
attaaacaaa actccattcc cttccccatt accctccagc aagattctca cccctcctgt  180
ttctcctact tacatgcaac tccaagttca catgcaaaga ttccaaacat cacacaaacc  240
ctagctacct aactaacgca ctcaactcact accataagaa caaactaaac aaatgtaaga  300
gaaaataagc tatgcaataa tcatgtaaaa cagttttaca ctctcattca atcacaaata  360
attacgtcta ataagtttgt ttaactttta aataatactc ataataatTT ttgattgatt  420
gagagagtaa aaattgattt atgattagtt gagagtgcaa aaatgtttat atttgaactg  480
ataatgcata gtccttaaac tcatgatctg gcttaatttc tttttacatt acaaaa      536

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<210> 29247

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007d09d1

<400> 29247

cactacttta tatgctttca taattatata atcattgacc ttatgcatct ctctctacg 60
actgctatat cctatgtcat gaatctggcg tctataactt tggttaatgca atacaattct 120
cattactgat ccgggggtctc gtagaccggt ccggaat 157

<210> 29248

<211> 472

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007d11d1

<400> 29248

gcagctcgaa tttaaattatt tttatttact cataaattag aaagacgaaa cacctaaaca 60
aacacaatag cttcagtggga aatatgccac cgtcgataaa aagtacaaca cgatttgctg 120
aatgtgtagc atttctctaa tcttctttct catcttcggt aatctcgta agaataacaa 180
ttagtgccac aacgaacgca taatgaatgt tgggatacac tgtgaccatg aattgggtctt 240
tcccaatcaa aatactctga accgtgtgct ttttatgcat ctgggctacg atgttggttag 300
attcaccagc ataaacaacg caagatcggt ccaaccaact acctttgacc ttaaagtgc 360
agacatcttc ttttgtgtta ttggccaaaa acacatgtaa tttggtctta aactggataa 420
gggacgaacg cttcatagta aagattagat ctttggcctc tgagctttca cc 472

<210> 29249

<211> 510

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007d12d1

<400> 29249

agaaaaagga agactaatta ataccatgg tggttttcta ttctggagaa atccgtgcag 60
agaatgataa ccaaattggta tacttttcta ctatcaagca tgtcttatag taccaatacc 120
cttaaaacaa agtaaaagat gaagtttttt tttttttcaa aaaaaaaaag tggggggaag 180

cgcaaaagca ttttctatac gaaagcaagt tgctttttctc acatggccct aacagcttgg 240
aatcttgggtt ccttggaag gaacttctgc tcagcataga cagacatgta gtcacaaaa 300
acaaacttag gataagtttc atctacttgt tgggtcttctt tctccacaag ttgtggtgca 360
ggacatatgg tggccttgaa tgaaggatta tagaaggagg caattgatct tctgttccca 420
tctggtgtgg ccagaaccct gtgccagcaa ctcttgatc taccattgct caagacctca 480
atctgatcac cagtgttgat gacaatggca 510

<210> 29250
<211> 580
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400007e01d1
<400> 29250

gaaactgaaa aggcataatc tattcgacga gtccgctaaa caatcactga aatttgggta 60
ttgcccaatg cccagagcca tgagggtcta tttgtacatg ggaataaaac aaaagactgt 120
atccatcca tcaaatgggt tgttaaacyg ttacatcaaa agtgggtcaa ctctactct 180
agccattcat ggtaaagata ggattttatg gtagtggata gatagcgact cactctctcc 240
caccaggagc accagataat gataatctat caacactctg attctgtagg cacacaacca 300
acccatccc aaaaaacaat gtttctcaac agttactgat ccaaccaact aatccacacc 360
gcatatattc tcaaccaacc aaaacactgg agttagtatg caataaacat tgtctgggta 420
ctcagtaact tataataata agaaagtact gctctgaaat ctgtttcact agtatggtgc 480
aaatatgatt gaagaattgt gacccccaaa accaaatgaa ttcgacatgg ctgccttgac 540
atccagtctc tctttctttg agccaacaag cacttttagca 580

<210> 29251
<211> 509
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400007e04d1
<400> 29251

tcgcgatcta gaactagcat atattggacc ttgtatccca tccaatcctt tcatgtcgga 60

actggtgggtt tcttcttggc aggtgcatca tatccataaa gtgcgtacct tctgaaaaca 120
catccagttc cgacatatat tggctctaga aagaaaaaga atgccaatag taagaaggag 180
aaaaagagga aggtgaagca cagtgaagca tcaaagcaga tacatgcact tgaaaatatt 240
gaggcggtga atgaaggaac caacaatgag aagacatcca atctgactca aacaaagttg 300
gagaagaggt ttggacagtc tccagtatct gtagcctcca cacttttggg tgatgggtga 360
gttccacatg gcgtgagtcc tgcatactt ttaaaagaag ccatccaggt catcagttgc 420
ggttatgaag acaaaacaga atggggaaaa gaagttgggt ggatatatgg ttctgtgaca 480
gaggatatct cgactggatc taaaatgca 509

<210> 29252
<211> 538
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400007e06d1
<400> 29252

cagcagtagt tacgactttt ggattttaca tatagcactt ggccacaaca cacagaggat 60
tcttcttatg ctgtgtaact cctggcaaca cttcagtatc aatgtcttcc tttttcattc 120
cttgtggcaa ttcccagtc aaggaataaa gaagattagc aagtataaga tccaatgcag 180
caaatgccat attcatacca gggcacaatc tacgaccagc accgaatgga ataaactcaa 240
aatcttgtcc ataaagatct atgtcgcaat ttaaaaacct ctcaggtata aactcttctg 300
gatctttcca agccttagga tctctatgaa ttgcccaagc attcacatat aataatgtct 360
tggctggaat ttcgtagcca tctaacatgc attttttatt tgtttctctt ggtataagta 420
gtgggtgctgg taagtgcaat ctaagtgtct cttttatcac tgcccttaag taggaaaact 480
tttgaatatc atcttcatcc aagaaatctt tcttaccact taagcctcta atttcttc 538

<210> 29253
<211> 607
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400007e07d1
<400> 29253

aaaagaaaat ttggaaataa atttattcta tcagccaaat attgatgtcc acctagcctc 60
 aaaatcatgt aaaagggttta aaatataaaa atgtcaaaaa cttgttttta gatgaattaa 120
 agattgctaa ttaagctttt attgattggc actcaatttt gcctttgaat tttctgatgg 180
 atgaggtgtg ctatcgggtgc aagcagtaca agaaagaggc ttgtcagcaa gattgatccg 240
 caagggttcgg tgcttctcat tctcaggtat atggaggaga gcatccatga ttaaaatgtc 300
 ccaatcacga ggaaggaaaa aggaagacca agtgtcatct ccatttcgaa cagccttcag 360
 ctgcaagaca ccattgcctt gtgggtccaga aacaggaaat gagcatgaaa cagaacgtct 420
 ttcatgagct actgcaagag atgcattgta ccatggacct ttaacaattg gttctccaat 480
 agaatctatt attgcctggg tcttgcttac cttctccatg gccttgctgc tacatccatg 540
 atagatggca aggtcatcat aggcactcaa agcaacacca ccttgaatag taatcaagac 600
 aaatgac 607

<210> 29254
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400007e08a1
 <400> 29254

ttagcgctcg agttctcttc ttctggagct aagtgcctaa gcttaaattgg cgtcgatttt 60
 gacatcggtc cctgccgttg acgctcgctc catccccact agtgcctttc ctctcagaaa 120
 acctctcttt caaactccac ccccccttgc atttcaaaaa tcataggttt gccgctagct 180
 gcagctacgc agaagcaggc gacaacgctg attgtagctc taacaccata aatggtgtgg 240
 ctgatgtcag aagcgaacgg atagtactcc tcggaggaaa cggctctggt ggctctgcca 300
 tatgcacggc agcagcgtag acgggcatca aactaatagc cctaattagg acaaggcgac 360
 ctacttattc ggat 374

<210> 29255
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400007e08d1

<400> 29255

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agatatgaac ctcatttatt acatttagta ttgttttaaa caccattctc ctcacacggt 60
cacacactac tcccttaaaa tttaaaaaag attgtgctcc aaaagctgcc accggtatta 120
acacaaggaa aatagcctca ttgtagttac tccctgactg tacaattatt gcaattgcag 180
gtttatctcg tttgactata tccggatcat attcataccc gtactttatt ggcagcgtcc 240
ttgatctggt caattgtaaa aacaccaaag aagtcatcat ctgtgacacc attgataaca 300
gccagcgcaa catcgtcaac actaacaggt ggagctaaga gtaaatacaga tgcaggaaga 360
gaacttaaaag gtttggtgaa gttctctatt gctcgtagaa ttttttctgc tggctcccct 420
accaaatcca aaggaagctc ataaccattc actctcctgt tcccatatat gaaagcaggt 480
cttaagacaa ta 492

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<210> 29256

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007e09d1

<400> 29256

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gcgtgtgaaa ctttacatcc gagaaatcaa gaacttgaaa gatcaaaatc cttatactta 60
aactatggac agaatgcccc tacatgaaag cgcagaaaaa tagaagacca acttgaagta 120
gctgcaacac ccaacactaa ggtttacaaa gcgagaaaca atggttgcac tcatacagca 180
catagatgta aactagatg aatccttatg cgagagcacc cacaatcctg attgttcttc 240
agggatagga ccgggcagca agatatgaac aatttttttg aaagatttat actagataat 300
tgtctttctg gctatgctgc atacaaacct gtacataatg agcacaatcg taagctatag 360
agcacttggt gcatctatca tgcttaaatg cagactgtag cgcatagtcc tgctaccaat 420
tccagcgggt cctttttgca tcatggcagc aaattcacca taatcaatcc ttccatcatt 480
atctagatca act 493

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<210> 29257

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007e10d1

<400> 29257

gaacactaca aatagaaagt tgacatttaa taaaccaag caacacaacg cagcaaagtc 60
 ctgaaactcg ctgcgcttaa caaaaatgta atcaggggtt cgcacaaaca caacacatta 120
 aaacacagat aaataaaagc aattttgcca ccgtcgatca agaaccagc tctgggaaca 180
 acagttgcga gatgatggtg gagacttcaa actttgtccg aaaaacaagc tacctagaaa 240
 agaagacaca agagtacaga aaagaaacca acattttattg taaccaacat ccctgatga 300
 accagcccg cagattcact tcttcttctg ggcagccttg gtgaccttg ctccggtagg 360
 atccttcttc tcaacgttct tgatgactcc cacagcaaca gtttgacgca tgtccctaac 420
 agcaaaccta ccaagtggag gatactctga gaaagttcaa caaccatggg tttgggttga 480
 tcatcttaac ataacagcat ca 502

<210> 29258

<211> 552

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400007e12d1

<400> 29258

gagcccaacc atttaaaatt tctttcccct ttgcaacatt tctcccagg aacaaacaga 60
 ccaacaccaa ccaagcataa ggccccagct atcatcaatt tccagctgga taaataaata 120
 aaccaacat ttttgtttgc aaaaaagtt aaatttatta atagtagtaa taatagtaac 180
 atattaaata ctataatcac tagccaatca agacacaccc ctcttcgagt gagtgatgaa 240
 ccttgcaatt tgcacaaacc tttttcaagt ttcaacccca attaaccgaa attggggatc 300
 caaccaggtg cttcccatcg gaccattcta cccttccaaa agcgttttct gtatgctgtg 360
 gcgaaccgga tgacgaaaac gtgacggtga acgttttctt ctcgttctcc ttgaaactca 420
 acacttgagg ttctaccgag attntaacgg acgcagtgtc tgacgtcacg gaagctttgt 480
 aagttccgc gggccccacg ttagtgagag tctctgtgtg ctttaaccag cttcctgatg 540
 attcaaaca ca 552

<210> 29259
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007f02d1

<400> 29259

caaaaaagtt catttaggct taaaatgttt ttgcttttta gcaaaaaacc ctttaattta 60
 cataagctaa caaaattttg aaaccgggga gaattaataa aactttaacc ttgggataaa 120
 tttgcaaaag agaaaaaaaa aggaataaat tctttatagt agtaggaaag tagtttttgg 180
 ccggccaaaa tttaaaaatt agggatttgg gaagggtcgg gcccaaaaat tgaaaccctt 240
 tagcaggatt ttggagcaat ctttgggggg aattcccttt aatttaccct aattttttta 300
 aactacttgg ttaacaaact tgatggaatt ctgaaaaggg ttttgaacag aggaagtgcc 360
 accccttttt tcagggtccc aaagggtggg gcttttaaaa gcaaaacttg aaatttgaat 420
 tgggggagtg attg 434

<210> 29260
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007f05d1

<400> 29260

gaggttcaag agaacaagg gcaattctta agtaaacacc attttcaaca ggaatgagtt 60
 attgcgaagg atgccaatta catcactgac aacagcatac ttattactgc aaaaatgtta 120
 caaaatatag gtccatgaca aataaatgaa aaatggctgc caaagcaatc atccagaggc 180
 ataaatcttg taaatttgaa taaaacattt gccagacctt caatgaagtc taaatgaggc 240
 aaaaaaacta taatgaacta atagaggctc cagtaggttt tgcgtcggaa ccagttgtaa 300
 ttaggcaaac gctgaatagg acccgtggca gcaataacaa catccttgtc atagataaat 360
 cggttcgtaa cacgtttaat tgtactggca tgaacagctt caattctagc aaacaattca 420
 gctaattggga ttcttcgacc atatgtgagt agctgacgac caatattttt agccactgtg 480
 cttgttccat ctatgt 496

<210> 29261
<211> 308
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007f08d1

<400> 29261

aaaaattaca tttaccctgc aaaccgaaaa acttgacaaa aggcataagg aattagctgc 60
cgctcgacaat cgaggatcaa ctgccattta ccctgaccct tggcaaaaac catgaaacca 120
aaacaaaagg caaaagaagg gaaaacttcc gggaaccaag aataaatttg aactacaggt 180
tgcagtttga tttgacattg ggcccaaagc cgaatttccg ggcgacggcc gcggacatgc 240
aaagtttttag atagggtaaa ctgacaccaa agcccaggcc actggccgac aacgtaaaaa 300
ccgggaaa 308

<210> 29262
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007f10d1

<400> 29262

cagtaatgaa atttatatta gacgtcatta ttttttgaat tgccattaca agttacaatt 60
gcaaattcca tttaagcatg aataggacat ggcttgaata aataaaggag tttaatttgt 120
aaaagaaata tataatcata gacagcatta cacaagatta tactctatgc agaggtttagc 180
ccttcaggaa gggattcact gtctggatca ggcctaagaa accttctaca agcataaaac 240
actgctgaat ggaagccact tgggttgtca atgaacacaa agtgcccggc ctggggaacc 300
ctaaggattt cacatggaac cttcatttgt ttgcgtgctt cttgggctcc ttcataattc 360
atccagtcct gaaaaccata tatgaagggtg gtaggcacct tccactctga agcactgtga 420
agaagagggtg acctcgggag tcctccaaat gaaaatatat attttaagca cagctcgcca 480
ctagctatgg ctgctaaagt atggtaaaca taatctgtca gtaatct 527

<210> 29263
<211> 432
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007f12d1

<400> 29263

acacaaaacc tttttttttt ataaaaccgg ttacaaagcc agaaataaat taacacaaag 60
gaccccttat caaaacaaaa gaagaagaaa cctagtaaaa gaaaccagc atggcatgca 120
tacattttca cctaccctt taccataaaa ccagaacctt aattaagccc gagggaatta 180
atacatatat tactcgatca caaaagccca aaaaaatta tggaatccct ttatccatgc 240
aactcacct tacattaaaa caccaccac caaaccacc atttctacaa caacaacgtt 300
attcaccac ttcatcggac accctggaaa aacaccgcc ggaaaggcct tcccgtcgct 360
ggcatcggtg cggcaacag ggccatcgtc cgccgccgtg gaattccctt tataagcctt 420
ggggaaaccc tt 432

<210> 29264
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400007g01d1

<400> 29264

aactaaataa actcgttcat gtaaaatcct tacgcaaact aaattaacta aataaatcgt 60
acatggcaag cctgcacgcc aactaaaggc tgacttaaat tatgagaagt gggacacact 120
atgcaaaatc caaatagatg aagatctaag gtttgaccat ttctgggcac aaaacggggg 180
gtaggggaga tttaacgatt agccttgga actctagtaa tttgatccta tcgcttgata 240
gcatgactag cggatgaacc ttgggacgca tgcagaagtt gatatgacac tattacatga 300
cgtgttttga tgtttctgtg accagatctt cgaggacctg gagtcagaag atgaagagtc 360
aagatgacca cgaagaagg ggg 383

<210> 29265
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400007g03d1

<400> 29265

ctattaaagc aggggacaaa actgaaacat gcaaaaactcc attaactagt gaaagcccc 60

tgccatcatg cttgaagcct tggectcatc agctggcttt ggagttggca gcaagacaat 120

cgccattatg gcgctcaacg cggctgccgc agcaccacc atgaaagccg gcaagttgcc 180

accaccaaac aaggaatccc aaggaccact taatgcagac accaccatct gtggtaccac 240

aattgcaaga ttgagaactc ccaaagataa accttgtcct gtcctgaag cgctgcagta 300

tattgatgct agagcaaaaag ggacactgaa agtaatcgca aggggaactc caagaacccc 360

aaagaaaacc atggacccaa ccaccacccc ctccggagggg tggcccacgg cggcgggggt 420

catccggcgc tgggtgctccg ccaccttggg gatcaccacc gtcattccga acccaatcgc 480

gagaataaag ttcacaatcg ccaaagcct ttcactccnc aaccatcttc ccaacggctc 540

caccgtcacg acatgaagcc aacac 565

<210> 29266

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007g05d1

<400> 29266

ctcacacaat aaatacaaga gattctgcaa actgaaaaag ggattttctta ctaaagcaaa 60

ctcaaacaag aacaacttcc actcatttgg catctaccgt agtagaacag gatcaaaagc 120

agctctctga tagaacacac gtatgtatta tattgaacat cttgcacagt ggttcatttc 180

tcacagctat tgcaacttaa aatacttgca aagcttctgc aaattccaaa ctttcttttt 240

ctcccttctt tatggatatg acaaagtgat cagatcatga aacaataatc aatccattga 300

atttgaatct gatTTTTTggg ttggatcgat gccaccattc ttcattcttag gaagggacaa 360

caaataggcc aaagcctact aattaagcgc ttaaaactgc attagtgggt ggtttaagtg 420

tgatgttagt aacatcagct tgattattaa aggggtgttct ttgtacgaag aagcatgccc 480

caataacaat gtagcacagc aggagaacaa ggcctttcat g 521

<210> 29267

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007g07d1

<400> 29267

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aagaaaatth tgcaaaagtg tgcaataaaa acacgttatt ctaggttaga ctcatcgatg  120
gtgttaagca ccttcataac tcaactcttc aagtagaggc aatccagtgt atgctataca  180
aagtccatat tacttacaag tatacaaagc ccatatactt acaagtagga tggtgacaca  240
taaattgaga tgacaccaat tgtgtgtgat agtgattaca tatgacttca agatcatttg  300
tggaagaaca tcacaatttg ctaaagata aatttgtcac tctcacaaga actgctatta  360
atgatctccc attgctggaa caataaatat gatthtcagg catacctcaa ctcaggcggt  420
acttccttcc ggtaacgtaa tcaatcttgt agttgaatca tattccattg cagttccaca  480
gttgagagcat ttgacagtgt tggtggaac                                     509

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<210> 29268

<211> 544

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400007g09d1

<400> 29268

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agaaacagaa cagthtttcca aaacgggctt tacaagctac agactctgcc tacgaatcaa   60
ttagcttgct tacaaaagat aaacagcaaa ttaattgaat caagttaagg ctgacacaat  120
attatgtttg tcagcgtgat caaacgtcaa aatacattta agacaacaaa actgattgag  180
cagatacaat tgatgctgct actgttaaaa aagccaaaaa aagttaaag aataacagaa  240
aatacattta caaaatacac gtatggccaa aaaatattta cacgttccgc aataacctat  300
gttatgtag tcttctactg tctggatctc acccatcatg atcctgttac tcacgacatt  360
gaatcccaaa actgaagagc ttacctthtt tcttttgctg ccgcctthtt tctthccaac  420
thttgaaaag gatccatcag tgtaacctag ctctagtaca tctgtatttg catcaactth  480
ccgatcatth acggtthtgaa aagctattth caaaacatct gatggtagta ggtccatgta  540
attg                                                                    544

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<210> 29269
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007g12d1

<400> 29269

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 ctaaaaatat atccacctat actacgattc aacccgaaat acataaacac tataacgcc 120
 aactaaaacc cactccaatc cctcacttct tagccttggc ctttttcgct ggagatttca 180
 cgcttttagg tttcttcaag acgctcttgg gcttcttcac ggcctttacg ggagtcttct 240
 tcgcaggctt agcggcgacc ttcttcggcg cggccttagc gggcttggcc ttgggcttgg 300
 tggccgcagc tttggccttg ggtttggcaa cagccttctt cttaggtgca gcagcttttg 360
 gcttgggaagc gggcttggcg gcgggcttag ccgcagcttt ggtgggcttc ttgggagcag 420
 cagcggcttt aacaggagca gacttagtcg gtgcgagctt gaaagagttt ttgaccttaa 480
 cgagcttgcc agcagcaaca gacttcttga gatgaacgag aacaagcttc ttgtagggtg 540
 gagggcaact cct 553

<210> 29270
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007h01d1

<400> 29270

aactaaataa atcgttcttt ttggttcttt tctgaaacta tatcaacgag ttaaattgga 60
 actatgaaga acctaggcag gctccaacca atgacggcca t 101

<210> 29271
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007h03d1

<400> 29271

gcaatataaa aagagaaaaa aatcgggctaa aagggatata cgtaaacatt tcgattgagt 60
 ctagtacag ccatcacact aaaacactat aggtatcctt cccgaacaat ttagcccgaa 120
 gaacccaaat gagtggccaa catgaccctc ttcttaagat ccacaattac atgtgactct 180
 ccatagctac attggtcaaa tacacaaccg ttaaaaccag gaaatactca tataaatggt 240
 tacaacaaac agaaatcaag tcctattcac ggggttcaagc gcctcaacag tgaccacact 300
 atttcctcta attaccacca tccctatgtc atttttctca ttgccattca cttccacagt 360
 gttgtcaaca actaaattca taaactggtc aaagccacgg agagtaccaa caaccatgcy 420
 atttgcgttc agcttgatct gaagcttctt atccatgtac tttttcaaat cccgtggttg 480
 ccctgacctg ctcatgggtg agaagagat 510

<210> 29272
 <211> 61
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400007h04a1
 <400> 29272

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 g 61

<210> 29273
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400007h05d1
 <400> 29273

caacacacaa agctgggaag tgcatttata gaattaatta ccaatgatat gggggtgggg 60
 tgggtactgga tggcatcgac agattgtatt tctgtactc caccaagtac caatttgagc 120
 acacaatcta tagtttttca tcaattaaat aagccagtca atcaaatttt atacattttc 180
 tgagttcctt cctcatgctg tattaaacga ctgccacaaa ttcttgattt acacagattc 240
 cagcctgtca cttgtgcagc acacctttcc ttgccatttt cgggtacctt tgaatgtgat 300
 tcttctgtta ctccaatgct tcataatctg tcctctcct ccacttactc ttgcgtagtt 360

ttataggacg gtttccaaca tacttaccat tcatttcttt aagagcacca gcaaggtcag 420
 aaggattggc aaagctcaca aatccataac cttttgtttt accagtcgc ttgtctctga 480
 caactcgtgc catgttaaag gaaggaaatc gtgaaaatgc tttgagagaa catatcatta 540
 cctcgtacca gatccacag 560

<210> 29274
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400007h07d1

<400> 29274

aaaaaaactt gtcactgact atttttttgt ttcttctctt gcagtaaaaa agatcaggaa 60
 atagataaat ggtgggaacc caaacaaaaa gaaaataaac ttgtatttta tatatcttaa 120
 gaaagtaaag ggggtgttca gacacggaag ttctttccag tgaaagtttg accaaattgc 180
 caatttgatg gaacaatgtt ccaagagggtg gaagagcgac ggtcgctggc ggtgactctg 240
 aaggacaaag cctgaccac caaacggcg tttgactgcc agttctgtcc ccagtttctg 300
 ctcatggca tccacccgt tctgatccc ttaacgtagg cgtgcacgat atcccctgca 360
 cccgctacgt tgctgatcaa aaccagggtta aagtaacgga aaccgtttat tgtgaacctg 420
 atcccaccat gcttctaca tgccaccctg cggaagcga caggcacgat gccggcgcg 480
 tattcggcga ttttaaggaa catgggcat 509

<210> 29275
 <211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400007h08d1

<400> 29275

attataggca cagcgtacta atgaatcaat tccaatctca atttacatgg ttatttatgt 60
 accaagattt tgtggcagtt catgtcatgc cttattatgt caaacatcc tatacaactt 120
 cattaacaac aggggatgga tctcccaaga tcattttcat aactgatttt ttgactgaca 180
 tatcataggt aatgttcata aaaatgtctt gtccataccc tcttcttagt tgaagagcct 240

ggtgtatcac cactcccagc aaattcccat ttcacaacat ctccatccca agaagagcta 300
 acaagtgtag tgtggaaggg gtgccagcta caatctctta caggtgattt atggtgcttc 360
 agcggttgca cttgagctcc acttacctgt agtgagttat caaagttacc atcaaaagag 420
 aaccaacttg aactttttat tgattttttt ttcaaataaa caaatctaac tgcaaaattt 480
 cctgattaga atgaagntag ttcatgcata gtggctaaga ggatattcat cacgttccaa 540
 ca 542

<210> 29276
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008a01d1

<400> 29276

agtctgaaag ccacatacat ctttttttaa gttacagtta ttgtacacgg atcggtggg 60
 gtaaataacg cccgatcaatt ttctcatttt tgggggaccc tttgaatggt aaaaatacta 120
 aaaaaatgac tacctaattc acataactga gtatcacgct gcttctgggt gcaaatactg 180
 caccaagggc tgcttaaatt gggccatagg aagagacctg atcgtaactt cctctggggg 240
 cttataacaa aatttatagt tctattatca tacataccca ttggcttccc tgataggaaa 300
 ctacaatccc tgctttcaac cataatggga agcttcagta atcattgggt tcatctttca 360
 ttattgtgtt tggaccatca ttgaaacccg tgctaggggc aagctcattc aaatcaagga 420
 agcgtctctt tcctgtgctg ctctcaactt cctcctgacc aggactgggt aatttttcag 480
 gaggcttggt ttggtcattc tcttcta 507

<210> 29277
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008a12d1

<400> 29277

aacattcaga tttcaaggta agaattttat tgcacaatga gaaggcagag aaaattgatg 60
 gttctgtttc tcagtacaag ttttagaatg aaaaatgaag caacaagtgt ttgtagtggg 120

0953113-032200

agtagtagta gtagtaagca tacaaaacta caatggcatg gtacatacat ataataattg 180
aattaccaat tcagaatttg atggctctca cttccacttg ttggcaacaa tgtcagccaa 240
atccacaacc ctttgggagt agccccactc attgtcatat caagcaatca ccttaaccat 300
gtcatctccc atgaccatgg tcaacgatga gtcaacgggt gaggacacat cagtgcacct 360
gaagtcaaca gacacaagtg gctcatcaca cacagagagg attccctgga gctcattgtc 420
tgcactctct ctgaatgctg cattcac 447

<210> 29278
<211> 311
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400008c11d1

<400> 29278

gaaacccaat aagaattatt gacattaataa gggaattgcc caattgggga gcaatttatt 60
gtcccaaac tgtgacaaaa cttgtttgac acattcggac tataaattta gaaatgccca 120
ccttgggaaa acttttatgt gaccacaagt gcacagcttt tggcccccaa taaattgtcc 180
gagcaatatg ttgctaaaga aagaaaagaa ccactcactg aaatttgtgc ccatttgaag 240
aaaattggcc aaaaaaagtt gcagcaaat tattggacct atgtaatgcc aacaagagat 300
gttccttgat t 311

<210> 29279
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400008d01d1

<400> 29279

gatagtaaac cctaccaatt atgttatttg gtgcgtaaag agcatagtat ctctagaaa 60
agatggagac agtgagagag gccattcaaa ttttcacagg actcattttt ttatgtaact 120
taaagacaaa ttgaacatgg tctttcttcg tctttatatg tgattttttc tcaaaaaagc 180
acggttcttc ttgaaacttg tccaagctcc ttaactgta tagtgctgct gaatcgtgtc 240
aatgtcaagc cccttcagct tcaccactga ctgcacatgt ccctttagag tatgaagctc 300

cctaagcctt gcaacttcag cacgtctctt ggcttgttct gcaatctctg aaagctccct 360
 gtagctatctt ttgtcattga aaagggttga agtttccgga ggctgaagac cgtgaagtgt 420
 cctctgtgca gccgccatt gagcttccct ctcttcttta ccatagtctt tctttgtagt 480
 gaaagcagtc ttgttctcca aaagattatc ccaagcc 517

<210> 29280
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400008d11d1
 <400> 29280

aataatatat gtaaattgcaa tcattcacat gctgtctata tttatgctgc tgatgtagtt 60
 tctgacagca aatagtgtac tcacccttaa tatccacaaa tctgtgtatc ttttgcataa 120
 ctctactcag ttaatgtttg gtttgcattc tctcccaaca agtgattcaa actaaagaag 180
 atagcttctt tgaacttgta tcttaacatg atcaagacga acattctcaa acagtataac 240
 aaaatgccac agggggcatga aaaaaataag tgtattccga ggaacactta attctatgca 300
 aaaagaccag cttctatgag ggtgtgctat gtgcttgtaa agttaggagt aagatatgga 360
 gaaatccatc tagactaatt gagcacacaa ttattagagt gcacttaaag acccatatta 420
 atgacatatg agattctgaa attaggcacc acagaacatg catgactagc aacaagacag 480
 aacatactt 489

<210> 29281
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400008d12d1
 <400> 29281

gaaaccatct ttaaattgca cataccattc tgatacagga tagatgcatt acaaagctaa 60
 caacaccaac caactttcac caaaccagca cttaaaaaact taaacactgt ggccaacata 120
 tatattttcg ccaatcacat gaaagagtcc ttcaaattgc agagatgtcc aataactcca 180
 agtcacccac cacatataac aatataataa gaacacccaaa taaaatgtga aggaaactcg 240

gatcatttca tgatgaaatt atgcataact tcatctcagg ccatgaaact ttgacttcaa 300
 atcttagatc ttatcaagct tctcagcctt gacaactggg tttgcttttag ctatgacatc 360
 ccgagcagca gtgcggtaat caaatgggca attatgcttg tctgagtagc gatgtacagc 420
 aaaaaaaagg tcaccacatc gacaattaa cctgtcaaa ccaactcgct tgttgcaact 480
 gctgcagcgt tttggtccat ccttcagct 509

<210> 29282
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400008e01d1
 <400> 29282

aatggaagac ctaccagcc ttaaaacat aaaactttgg tttatgaacc aaaaaaggga 60
 caatccttac aggggtacaac ataaataaca gtccttaag gggttcctaaa aaaaacaaaa 120
 cccgggggttt aggatcccca ttttattttt tcacagcttt tttaaaaatc cggggaaaaa 180
 cactccttgg gacaaacagg ttttaatttc ccaaaaaaca ttagtctcac tttcactcac 240
 atttattttt ttaggaaaag accccccaaa taaaagctt tactccaaaa aagccacttt 300
 tacaattttc ccagtttca tacaacccc ctttgggtac aacttatagc aaggacgggc 360
 caaaaacctg gggcataagg gtgcccaaaa tcaaaggaat tcaaagggt tgaaaagctt 420
 cacatgggca aacttaactc ctttgggg 448

<210> 29283
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400008e12d1
 <400> 29283

aattgggcta cccaacctta aaaaaacacc ggacagggtc ctttaaaatg aaataaaaaat 60
 acccccatTT taaaagaaaa aaaaaactgg ggtccctagg gtttttaaga aaaaagctc 120
 ttttaaaaaa ctaaaacatt catgaaatac accagcaggg gacttaaaaa tcttaaccgg 180
 gaaaaggggg gaaaaaattg gttggggggc acataatttt ggaaaatttt ttttaaaaaat 240

tttgggtcaaa gtttaccatc ccaaagattt ttaacgggtt taaaggcccc caagggtttg 300
 tcaaaaaaaaa aaggggccctt aaataggcta acccggttaa atttaaagaa cttttccaaa 360
 actttttt 368

<210> 29284
 <211> 594
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008f01d1

<400> 29284

cacaatattc taagcattga atgattaaca aaatttaa at gcagcagttc caatatatag 60
 ggactcaaac atcaaaacaa aatttcgaag tttcgtttac tagcctaata gtgagataaa 120
 ttaccaacct tccgaacct ctcactgtaa tacaggggaa aattactaca tgagtacgat 180
 aaaatgcagt atcaatattc actgaccacc atgcttagcc ttcttatggt gttgcagacc 240
 gacttcgttg gtgaaagact ttttacaact tgcgcaagat agttgtccag cagaactggg 300
 agactggcct tttgtactgt tgggtgtctt tccaccttcc ttcgaaggat ggggagttgc 360
 tacatgtaca tttttcttac cattagtctt ttcaggagta gcagtttttag ctttcttggc 420
 agaaacagga gtttttgctg cagactcatt tgggtctctc ttgccctgat ccaccttctt 480
 agcaggggtc tcttcacac tctctcatc actatcgtg tcatcatcca tctcatcgga 540
 acttccaaat tcatcttcac cagcaggatc atcatccgat catcatcaga atca 594

<210> 29285
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008f11d1

<400> 29285

gtggaaaagc aaaggtgcat catcacatga taaggacacg caaaacacac ccatttttagc 60
 acaatagata aaaccgtata ataagacccc taatgctact agtcctgctg aaagcattta 120
 atttaaattt aaaatccagg gactagtctg gggaaacatc ctcacatatt acatcaataa 180
 ctttcattat ataacagtaa gagataccgt gtagcaatat tataagttac aaaacatata 240

caccgcaagt cacaaaagtc agtcccatg aaaatcaagt gatgtgaagg ctatttcggt 300
 catgattgaa ctgaaatgtc tgcatttgcg tggttggtga tcttaggagg agccgttttt 360
 gtttccttat ccgctttagt tcgttctttg ggtttgcaaa caccattgct gttgcgtcga 420
 atgttgTTTT tgtgaggaaa aggggcattg gaaccacc 458

<210> 29286
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008f12d1

<400> 29286

acgtacactt acccaattat tttattaatg tcatgtatgc caagtgcacat ttgataagtt 60
 aagtgcagat aattgaaagg aagaagctac tagttgaatt tgtgggtcca cttgagagcc 120
 aaattggaga tgttggtggt ggaggaacca tgttgagcga gagccttagc cgcagcctcc 180
 ttgatatacct tgattcggta acgaagcttc ttcccttggt caccttccat gaggcacttg 240
 actaggctgg ctatctcctg tctctccacc aagccactct ctgcaacgtt gggcctcagc 300
 gccaccttga cgatcatcgt gagcataaag gcgttggtcc tctgctccgc gaacagagggc 360
 caggctatga aaggcacacc gtccaccacg ctctccagaa tagagttcca gccgcagtgg 420
 gtcaagaacc cacccttgga tggatggccc aatacctgag gctgcggagc ccaagactga 480
 accaaaaacc ctcttccttt tggctcttc 509

<210> 29287
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008g06a1

<400> 29287

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaag 79

<210> 29288
 <211> 492

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008g11d1

<400> 29288

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gaacaccatc acagatccca tatatttccc acgatacatg ctttaagcac taataggctc   60
aaaaaaaaact aaacacatag gaacacaaat ctaaatagaa taaatatata aaatacacaa  120
cagaactctg cagctggtaa aatccatagc tgatacaaac aatattcaat acccattcaa  180
agcttaaaac aagttttttt aaaaaatggt gtgcgacctt gatttaggcc acaatgtcaa  240
tgtttgtaca acaaaatcgc aacaaccata atttagaacc tcgaactgaa gctctaccag  300
tggaagaaac caaaccatat caaataaaaa aaatgcagtc atagtagggg caaaggatgt  360
ttatcaggct caatcatata gattcacatc acattgaaat aacgtgggta ttaaaaaaaaa  420
aaacataaat ccaatatgaa catcaatgga tcttagcaat atatgggttat cttcaattcc  480
tttggaaga tt                                                    492

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<210> 29289
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400008h01d1

<400> 29289

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gtaaacttca aatgcaactg ttttatagtt gaatgaggat caaattaatg ttcacagcca   60
acaattaccc aacaaagttt ccatagacaa taactgccga caatattaca tccgacataa  120
ataatgaaat tgttccttta actttaattt ggatatcaga tactcagctg ccaatcagta  180
cagaaccacc acaacagatt cattctcaaa aatcaaacia tttgaccatc attattctcg  240
accatagctc tactttcatg atgaccacca tcctttttat cggtttcagt tttgtctaac  300
ttctcatcat gctttccatt gaatttaggg gagtggtggt gcatgtgatt tctctcatca  360
tccagggtgt gccgatgttt gtgatgatga tgggtggtggt ggcgatgatg gtgggtggtg  420
cgatcagact tcttatgcat tgatcttttg ctttcatctt caaaattttc ttccaatgac  480
tntgatctgc ttctttgacc atgactgtga tgataatcag aatcagatga cctcagctcc  540

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acattat

547

<210> 29290
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008h11d1

<400> 29290

aataactaat cactatcgct tgaaataatt tgcatagggt ttctgcagac tttaccccca 60
 agattacaaa caaaatactt aggagacaac cctgccatca tgagaagccc aaaaacttga 120
 cccaaactac aatacaaaaa caaaacattt gccctgaaa ataacttggg aattagatta 180
 caggtagaga ctgtccagtg agactcaact ggcaggagtt ggaaaataac cattgaatca 240
 tatcaatgga ttagatcaa ataactttga catatcagat gcattcattc tactccacat 300
 aaatacaaag gtataaatat actcaaagca ggagtcttca cacctcactt ttgaataatc 360
 caccaactct aggcaagtca aacactttgt actttgctcg atatttcttt cactttaatg 420
 tctccttttt ccactccctt gctctcataa taatcatcaa gagcccattg atactttgac 480
 tgattcaatc caaacaacgt gcaaatgatc a 511

<210> 29291
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400008h12d1

<400> 29291

aactccaaca ttttttagtac ttacgcttca agcaaacaat gcaacagtat gcacttgacc 60
 ttacaacatt tgaagtttct ctacttcaca gtcataattg ctaaaaaata ataaggtgcc 120
 tccaaggatg gaagatcatg aaagcttccg caaaatctag ctgcctaaga ctttatacat 180
 tcaaaattac cgctcaatgt taaaccagag cagcagctca cttctccgcc ctcatttgge 240
 tcttcaaatt tgcattgtcc gaacatagac aaaactttct ctttcaagtc ctgatggtgg 300
 acacagaagt ccgcagtggc ataataattg cttttcggaa ttaggacaat aatgcatctc 360
 ccagaaataa tctaagttaa caatacggaa gaatagttag cgtattactg aactttattt 420

aagtattgcc accgtcagag ctgctacagg ct

452

<210> 29292
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400009a01d1

<400> 29292

aagcacaaaa tacttcgata actttatatt attttacatg catgcatagc atagatagcc 60
tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac 120
at ttgcccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca 180
ttcaactaca gtatcccaaa ccattactct taagactttg aacttcactt gtactccagg 240
atcatgttgt tctcaggagc taatccaaca caagccctta ggatgttttc cagcatagct 300
cgctgctttg acagtgcatt aaccactggc gtactcggtg gaaccagagg ggccttggtc 360
aggtaactga ggatggtcgc aactgggtgg aatgagtgga actttccctc attttcagct 420
ttaaactcga ttcgagtgtt aagctcagca agaaggacca agtccaagat aa 472

<210> 29293
<211> 485
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400009a03d1

<400> 29293

gaataccgtc actcaacaac atgtaccatt tgaaagcacg acccacaaaa gaaaacgatt 60
tgaaagcaat gccacaatct ttggtttttag tccaaagaag catgtaccat ttgaaagcat 120
gaccacaaaa agaaaacaaa ctcaacaaca tgaatttaac atacaggata tatataatag 180
tttgcattca ttttacttct ccatgtagga cacaaaaaaa agtctcagaa caatcacaca 240
gtatagatcc ttcagaaact tttccctcag ttaaaaacca gcccatccag ctgggttgaga 300
agttgacttg tttgcctcac caaaagcctg agactttgtt cctgcactgc taggtctttg 360
catctgtggg ctgcctgcag gtacagcact gaagctatct gttccaaaac cccatgaatc 420
aaaatcagta gctagaggaa caggttgctt gttctgctga ccatttttca ccctgacaga 480

tttgg

485

<210> 29294
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009a04d1

<400> 29294

ctcaaagaaa gtaaaagatg aaatgtgggtt tcacgattg aactcataag tacaataatg 60
 tgtaatgaga agggaagaga cagaaagcaa aacttaatca tttggattac agtccatggt 120
 tcaaagttcc agagacagga actgaatgta cttgcaaaaa ataattaaat gaaaactgaa 180
 taagctcagc caatgtttta caagaatgaa tattataatt tatggcaata aacgggtaca 240
 gggctatttg ggagctagct ttttctgaca atgttctttt ccattttcag aaccaatca 300
 catgtgcatt gtaggagcag aagaatatta ttgaaagatt gatg 344

<210> 29295
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009a06d1

<400> 29295

aaaataaatg atactatata tatcacgac aattccatat ccaaggtttc agcattgcaa 60
 acaatcaaca caggaaacca acaccataat aaacaccaag agttgccaat tagaactaaa 120
 aaacgcaa atacataaatt aaaaagtaaa cataaacgca gatacagggc caaagtttgc 180
 accatttgac actttcacta ttcaattcac ctataataat tattaacaat caacatagaa 240
 aaccatacgg ttacggagga cacattctca taccgagccc ttggccggcg ccggagcggg 300
 ggagacagca gcggtggtct cggtggcagg aatcttgacg tagcctagct tcttggggct 360
 ctgatctcg tcttcgctcg aggagaagtc gtcgaaagcg gcggtggggg ggcgcgtgga 420
 gaagacggac cagacgaggt acatggtggc ggcg 454

<210> 29296
 <211> 182
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400009a07a1

<400> 29296

cctttctgta attttataac cgtcctttaa aattgtagat aaataattgc ttaaattgagc 60
 tacattatta gtgtctttgt aggtgttagt aataaggtct tccaagctgc cgtgtaaatt 120
 attaattgtg caaggtcatg caataatctg acaatcacat ttgtttaact aaactgttac 180
 tc 182

<210> 29297

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400009a08d1

<400> 29297

aagttcaaaa tcttttatat agccataaca acttcacttt atattaatta tacaagtgat 60
 tcaacaaacc aactaaaaaa gacaatacaa gatcctgatt cacaacactg aaaattggga 120
 tgggtccagc cgctagctgg aacgagacat gaacagttta acactagcgg ggacataaat 180
 ctcaagaaac tactgagata ttactagtt ttcacagttg cagagcatct aaatgagaca 240
 aaaaaacagg gtaggcgatg ttctatatat agcacaagat ggagtagtta agcatgagaa 300
 ttggccagct gatttatcaa agccaaggca ttactagtca attgagccac ctgaagaatt 360
 tggcctctca ccgtgttctt tacatttgaa ccaccagcag cagccgtctc ttggaagcca 420
 tcggtgcacg tgctctcatc ggtcaaagca gcaatcacc acgtttctac gtcactcatt 480
 gtcactctcaa aattggaggg tg 502

<210> 29298

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400009b01d1

<400> 29298

aatattataa gcagagattc ataattcaga ttagccgaac tttatacaga agcgaccaat 60

taccaaacat taaaaaaaaa aaaaagaagc aaccatgagc ttaacacacc cattacaagt 120
 ccaaaacact tgaacttgct gaaaggcaag acatgaccac tttattctaa ggatgtttgt 180
 ttaacacaaa acaccagagt gcacgaaaac cattacagac ataatacata agtttttagc 240
 tacacattaa tagtttatca ttattcctaa ttaagggcta tctctgcttg aagcttgctt 300
 ttccaacacc ttacttgcaa gtgcaggggt tgcaggagca gtttggtcca catttgagc 360
 catcggtctc agcgggcaca cccatttcag caccctcaaa ttgagcetta acgggtgcca 420
 ctcccatgac c 431

<210> 29299
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400009b02d1
 <400> 29299

actctgtcta aaaggatgta ctatttaaac ccatgatcat tgaatctcca cgtcataatt 60
 gttaataatg gatttaattc atacaaaacc ttaaagttaa taataataaa atgcaaccga 120
 taagcattag aaactaatag cagggcaaaa agattcatta aagactgcag ggtggagaaa 180
 ggggtggcag aagaaagatt gagggggaac caaagtatca tagacaaaat catgcagcag 240
 gctgctcctc agtggcagga gcttctttct ggggttcttc tgtgaggcca ttagaggtgg 300
 catcctttgg ctgtgaatca agtgcacctt ctgctgcaga tccagttgct tttgatgctg 360
 ctttctcttt tccatcctta ttatctttgg cgtcttttagc aggagccggt ggtggaggaa 420
 tcatgtgagg tgggtggtgta tgc 443

<210> 29300
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400009b03d1
 <400> 29300

gaacctgaat tgatcaatat aattaaacag cagctggaca tccacccttt ctagggtcac 60
 ttactgctgt tagagtgcc a tgctttgtaa gtgatttgggt gttttcacca actttcctat 120

tgaagttcat aggcgttttg agagtttgca caataagctg agtcacagct agtgcttcag 180
aacctctcag ttgatgacct ctctcttcta ggaaaagcct actttctttt gaaagctcaa 240
tgtgatcgcc attatgagca gtcaagttct cataacgaac tacatttggt attagcttgt 300
gatagatcct tgggctcaca actgcatcca agggtttcat tccaagatg aaatgattaa 360
gaaagacttg aactacggct gcaataatgt tcattccacc gtcacctgca agtaccctaa 420
ccaactgatc atcctttgtg acaataagag gagtcatgga agacaatg 468

<210> 29301
<211> 406
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400009b04d1

<400> 29301

gattaaacat aacttacaac gaatatatgt aaaactaaat gatgtaacga gcaaaaaaag 60
acattttctt cccacaacag ttggaactgg acaaaagagc aaaaaacaat tattataaaa 120
taaataaata tggaagtaat aagcaaaaaa aaattattat taacttgaaa aaaaataagg 180
gaggaaaggg tgcactacta tctagttcac cacactaaca atacatttgg actcattgct 240
aaatggccac caaattttgc atttcatccg agggagaaca aaatactctt ctactgaag 300
cagccgttgc tcgttgcctc agagtccata tctgaattg tccatggggg ttccagcagg 360
tatggcctca ggttccttta tctcaaacac cagcgaatct gacatt 406

<210> 29302
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400009c01d1

<400> 29302

gagagaacat ttttttttgt ttcacatata aaaatatata tgttctgaaa gaacacatac 60
aagtacacaa aaaaaagggg gaaattcata aaaaaatata gaaaaaaaaa aacagaattg 120
agtaagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagtagt 180
agtgcaaaag tcccttgcca agagtgttgg aaccctttt agttaagcag gtacttctca 240

ggaatcacag gcttaatcac gtgttcttta agatcagctg caatctcatc atttgtgaca 300
 gtctcatcat gctgtgtgga gatgagcaca gtgtggacgc ggattggaac catggcaccc 360
 ttgtcattgt agtactcaac agtgacttgg gtcttgccat caggtctcag ccaagggcat 420
 gtcccgttct tccgaacctc ggtgagcttg gcaccgagct tcgtggcaag gacatggctc 480
 aagggcatga gctcgggagt ctcgtcagtg gcatagccga acatatgacc ttggtcacca 540
 gcaccaatc 549

<210> 29303
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009c04d1

<400> 29303

aaagaggaaa actttaaaat aagttcattc caaattcagt ttttaaggat tgaaacatta 60
 ttctagtttt ctttttaggtt gttcactaac catgaacaaa gtagctagct agcttatggg 120
 catctacatt aatcctacag aacaatgata tatgacgtgg aattttcttt gtttaacatc 180
 atcaggggttg gcattacagt gcatgaatac caaaaacagc ttcattattg aagtctctag 240
 gagccatgct gaaacctgga actttttacct tggcataagc ctcattgtaa gcacagtcac 300
 agagatcttg cccttgcatc ttcagggcca tagaagtgac atcaggtgaa gatgacacaa 360
 acaaggcatc actatttggg ttgaaaacca tgaatgatcc atcattgtag tggctactag 420
 tccagcccag ctgtaccttt gatatgctat tcagcttctg ctgtggtgca tgcacaggag 480
 acgcattaaa taactg 496

<210> 29304
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009d01d1

<400> 29304

aagccaaaat aattacttat ttaagatccc attagaaagt ccacagcaat cggtaataca 60
 taccgaattt tgtaacgggt aaacaaaccc atccaaactg aaatttttag ttctcttcat 120

tttacaaact tgggcatcca tttttggcaa atttaataga atacagagtt ttggcctaag 180
 taaacaatga attagttctg attttgaggg atttagatac taaaattcag gtgatccatc 240
 ccttaggaaa ttggtagtag aaatTTTggg cttggaatat gccaaaacta cttttgatca 300
 gccagtacaa ttacggggtt tctggataaa ccaggtgccca cagcatcagc tttaggactt 360
 ggggccagta attgatgcag ttttgcacca aagtttgggt tatttttgca aaaaccattc 420
 ttattcttca caggtttatc attagaacc 449

<210> 29305
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400009d03d1

<400> 29305

cagtgaaagt tcatatcgaa cgtaaataca ttatcagcaa agaacagagt gtactttgtt 60
 attttcagtt acatcaacta ctacaaacgt aaacggccaa ataaacaaga atctaaagtc 120
 atgacattaa ttaacataag caaacaagaa gaaacaggac aggacctttt ctgggggtctg 180
 tacaaggaac agaaggatca aattcagtct gttaaaactc ttcttgccct ctctaattcca 240
 tcgccctttc cttcaacctc tttctctttc tcccaccaa aagacaggaa actagagaaa 300
 tattaatata tgtaattaat ctgtgaatcc aaggaccata ttctcaagca aactaatga 360
 tgctatctcc attgctgaaa cattgcatgg catgtaaagc tgaatgtctt gatgatgtct 420
 gtctttggtc agatgagaag gatagcccca gggacagtgt cngttgtggg tcaatggcag 480
 aactagaaga actcgtggtg atgataccag aactgt 517

<210> 29306
 <211> 346
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009d04d1

<400> 29306

acgagataac cactcggtag catatatata tagttagtga gaaaacgaca tacactgttc 60
 acaggatgaa gctttatttc agtgtggaat ccattatata cagaacacat acgtagggtg 120

aaaacttagc tatggcactc tatctataga cggttgatct aggacaacac acaggacatg 180
 atcttacata tgetccacca tctactatta aggggtgctga acaggcatgg gctacgtttg 240
 gaacaatggg ggtgtgatct gcaatatcca cagatttatg gggaacccat ttgggggcat 300
 tgttttacgac gatacggctg gcaaaggtag cgccggcatc aactcc 346

<210> 29307
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009d05d1

<400> 29307

ccgcttcttg gtttcattca ctccatccaa ggaagaatcg tctattgagt aatttggtat 60
 ggtgaactaa cacaatagca cattttattgg aatttaacca gttcagcacc agcaacttac 120
 aaaagaaaca atatggaaag atagcccagt atgtaattcc aactcaacaa acaactgggt 180
 caacaaaaga gtgatccact ctttctctatc aacttgaaat gtcttcaatc ataaaagtgc 240
 acattaacaa ttatgcttca gtactgggtc ttttctttgt ggtgtaagcc gcgtactcct 300
 tcccagtatc atgtcttatt gtctgatcac cgaaatcaag gaatgcagat gtgaatgccca 360
 atgctgatcc agcagaaaagt gcagttttga tgctccttgc tctgtaaccc ataatagttg 420
 caccagcaac aaatgccgca acagctccat tgactaaatc cctctttatc ctatagtt 478

<210> 29308
 <211> 589
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009d07d1

<400> 29308

gcacaaaact ggtaaaattc cagatcaata aggattgcgg cgaagccgca aagatacaac 60
 attcattagg gaaaacagga gtgggggaaaa ataagggggg aggggttgag gaagaatcaa 120
 ttgctcacag agcatgctaa gacacctaaa tattccacac acagttattg aaacaaccca 180
 atatagagaa aatttttctt tgggtgtatta taatataaag cagaaccaa tgacttggaa 240
 gattctactt tcttatacca ttcacttggc aagttcgttg cggatgagtt ttgctgcggc 300

aaccatgttt gtgagggctg gcttcacctc agtgtactta cgggtcttga gccacagtc 360
 aggggttcacc cacatgatgt tcttctcgag cactgccagc atcttgctga ttctgtcagc 420
 aatttcttca gttggtggtg tacttgggga gtggatgtca tagacaccag ggccattcc 480
 agcaccatac ttcacacctt cgcggaagac tgacagaagc tactagtcgg aacgagagtt 540
 ctcaatggtg ataacatcgg cgtccatgtc catgatggat tgatgatgt 589

<210> 29309
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009e01d1

<400> 29309

aaaacaatct gatatcattt ccattattct ttttttctg acacaaattc aatacatctg 60
 aaaccactat aagatgtggt agcgaggagc taacactcat ccacagattt attaaaccac 120
 tacaagatgt gttagtgagg agctaact catccatata aattaaacca ctataagata 180
 tgtgttagcg aggagctaac acacattcac aaatttatcc tctactgatag gaaggcaaga 240
 aaaccttata atttggcact gatcttcctt ggtgggtcaac taggcattga ccaacatttg 300
 gtagtgccat tgcctacac acttaatttt acaagtcttc ttcacaccaa ctttgtatta 360
 tccttttttg gtttctatgc ccaatgcaat gcactctaga ataaaatata tctactgactg 420
 gaacagaagc ctaagaatcc catgaactca tgggtgttta tcatttgaat gctgttctca 480
 atgccaacca cacccatggg gagggcgcta gcaaaaatga cacctgagag gatga 535

<210> 29310
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009e02d1

<400> 29310

cctactccaa tgaacatgac aatttcatat attattatta tacttcacaa tcagcatttc 60
 tttgttcaag actgataata accattaaat tattgtcatt gtaacaatcg gaaaacgagg 120
 gaaaggaata gaagaaaaca atgaacaacc cttgccagtt agttgcacca accaacaagg 180

caccaaccat agtaccaatc aaaaggtaaa aagagagaga gaccaaatacc tactaagaaa 240
 agcataactg ttcctttcca tccaaagga gaaaacatgc aggttttgct catggcttcc 300
 acagaatggt tgtgtctgca atcatggaag taaccacgta tgggtccatg ttggaagctg 360
 gccttctgtc ctcaaaatat cccttcctg ctttctctgt gtctctccca accctaacag 420
 aagctccacg gtttgcaact ccccataaga aggtgttgat gtc 463

<210> 29311
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009e04d1

<400> 29311
 accaaaaag acaaaagcca aaaatatatt aagaaggatt ctttgtacgc aatacataat 60
 catttctcaa tcaaattaaa taaataacac actagtcat catctttttg gttccctagc 120
 gatttacata agccagcatc aggaacttta tttatcgcaa cactaacaat acaaataaaa 180
 aaaatcacta aaaaggaagg aatagcgatc ggaagttaat ccccccccat gcacgtacaa 240
 ttagaaccac actctgatca atagaatttg aagaagaaaa aatggaaagc cacaactaga 300
 gcaaaccga agcaaaagaa gatttaagat gatatgttat acttatagta taagcttagt 360
 aggacattg gaaatcacgt ggggctttcc ttgagcaaac attgagaagc aagctgagtg 420
 agatcggaag gttgaggttg atgccccaaa tgtttgctct gagagcagtg caaaggcaca 480
 ctgcag 486

<210> 29312
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400009e05d1

<400> 29312
 attcaaaaact acagtcaatt aaattaaaac ttgaaacaat caaaatccat acagagacat 60
 accaccgtct atcaaaacca aaagtaaagc acagaaccaa caaaggtaaa taacaatgtc 120

tctaaaacat ccataaaacc aaaactagca aatcaagcat ccaccctttc ctctccaag 180
 attagagtct tccctgttgg ttttgccaat agatctgtgt actcttggaa tggagatttg 240
 gagaagcgag tctccttcca gaattctggt gtcaggaatc cataggtttt catcaagcaa 300
 tcaaaagtag cctgtaaata atacaaagca tcatcattat tatgggtact aaaaacaaca 360
 tcatagcaat tctttcatga acattagcct ctccaccaa ggatcatgca cacaaataca 420
 cattagcctc tctaacaaaa gatcatccac ataaacacac atacacaggt aacaaatcac 480
 acaagtgatg atacantgtg aatgccaata attgcagcaa aaacaccata gactaacaca 540
 tattaagtaa 550

<210> 29313
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009e07d1

<400> 29313

aacctgatgt gctctttata ctcatgatca aggtgtatat acaccctaatt tggggatact 60
 gactgcagtt agagcgccat gctatggatg tgaatagttg aatgcaccag ctaagctttt 120
 gaaactcata ggcggtctga gagattgatc aataagcgga ggcagaacta gggcttggga 180
 acctatatat tgatgacctt ccacttctag gtaaagccaa ctatgttttg agatgtaact 240
 gagagcccga agctgatctc tggggttctt atgacaggcc aatttaggta ttagcctgtg 300
 gaagatactt gggttcacia ttggattcaa aggct 335

<210> 29314
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400009f01d1

<400> 29314

gaaatgaaat caatatgcct tccttgattt ttattaagga caagagagtg caattatggc 60
 agcttaatcc aatccataag tccaagtga attacatacc atgcctatta acagcactgt 120
 aagaacaat gttcaaaatc cactgagtca gaaggccata agaataccgc tcatgacaaa 180

ctgaacaaga tgactatgat gaggaagcag catctgatgt tttgtcactt tccttgcgta 240
 ggctgttttc tctgttataa gcagacttag caccttgaaa gatagttcct aactttttca 300
 atgctttggc tcgagacttc agaacatctt tggaggcact tggatcttta agaacagctt 360
 ggcaaacacg tgacagagtt gattcaatat caataacatt gatctgccat agagaattaa 420
 tcatggcatc cttcttatct tcaatagctt tgactatgct ntcttctttg gtttctcctg 480
 gtttagcttc ttgagttctt cttgtatttg aatgagggac ac 522

<210> 29315
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009f04d1

<400> 29315

attcaatcca gagactttac ctcttcatct aaatatgaaa ataaataggt atacatgctc 60
 acaaaaatta tggtgaaaag gacataagat gagtttatac ttgagtgcta cggtttacat 120
 ttgtatcttg caagctttat taagctatac aattccatgt acagatggaa gctcaaccta 180
 atggctttgt gtataaaact gccctttgca aactaataaa ggtattggaa gaaactacca 240
 tgcagcaaag aatcctgaat ttcaaatgat catatttgta accagcttca aaccctgatg 300
 atccggtgac atattgttta ttaagcattg agtagcattt gcaagattat gtcattccat 360
 gagtcaattg gtcttggaac acaccaatgt agacaatcat tctgaacttt ggcattcttg 420
 gcttttgcaa atggctgaaa ctttctgtaa ggtccaggat gtccatctgg tctcagcagt 480
 gaaaggagag ttgtgtccaa aagt 504

<210> 29316
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009f05d1

<400> 29316

aaaacacaaa ttcttgcttc ttaatttcat gtgttggaac gtgtgaaccc gtgtttgcat 60
 cactgcaaat gggttccaga acacacattg tcttctctt tccaatacaa cgaaactgct 120

gaaacatgat tgacattgac taattaaaaa tattttttaca ctgacataat aaaagctgaa 180
 atgaaagggtt gaatgaattt catcaatcct gctttatttc ttcttttttt tattagggtta 240
 ggggttaatt ttaattacaa tccaacatta ggattgcctg aaccagctgc ggcaactccc 300
 atcccaccaa caccatcaga tgtagctgcc attgcctcat ggtctcctga atctttaaca 360
 tctttaacat ccaattcact tacaagttca tcaattttcc taaattgata tggccatctt 420
 gcattataga gaaactggcg aagatcaaac ctattatcct ctggtgaata actcttagca 480
 tggta 485

<210> 29317
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009g01d1

<400> 29317

ataaaatatt aacagcatta gcccaaccaca tgtaaaaaac acaaatgcat ccaattgttc 60
 taggttcata ataataacca aaaaataaat atgaaaatgg agagtaacaa agcatgggtga 120
 gacacagcta accgaagcta ctaaaaacaa ggaacaaagc aaacaagtag gataactagg 180
 gagcagaagt agtaccagtt aaagcaaaca agaaaaacag aactcaact aacaaaagct 240
 aataaccca aatcaagatg gacctaatgg aaatagaatt ctcatcaaaa cttatctgca 300
 ctgtccctct tctctttata tgcttttcaa atttaggtta tggttgaatg gtcctcactt 360
 ggccatcatg actttgacga actcctcata gttgatctgt ccatcaccat cgacgtcggc 420
 ctgcgcatc atctcatcaa cctcctcatc ggtcagcttc tccccaagat ttgtcatgac 480
 atggcggagc tcagctgcag agatgaaacc attctgatcc ttgtogaaca cacgg 535

<210> 29318
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009g05d1

<400> 29318

gtccactcaa atacttggat atatagacaa tgaaattttc aacagaccgg gcaaaatagc 60

gcaatcagca aagtgcaaac ttaacatttg caaatagtat cccacatata aaatggacga 120
 atatgttatt gaggagttaa ttaaaactaa gagcagagca taggctaccc caatttcaag 180
 ccgaaagaag agcacaagta aaccatctt gcacaagttg attaaccgca ttcctgaact 240
 tataatagtc ctcaaccttg ttgtaaacct gacgagaaat tcgtgcatac gcagtaacag 300
 agccatcttc cccaccacga aaataaattg gtacttcaac atcaaattca tccctcaaac 360
 gggctctaag cttttgagca tcagagtcac tccaataacc caaagaagga ggcaaacca 420
 ccatcaccat gctagcactc atatgcgaag gactctcaag gtgggtcccc caagccttca 480
 ccaacatctc ccccatctca acaacc 506

<210> 29319
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400009h01d1
 <400> 29319

cacatgcaaa gtgataattc tattctgttg gtttccaaat ggtacaaggc acaccaaaaa 60
 tacatgggtg atctttatctt ttgtgacaaa gaaaacatca tcaaaacatc tcctcgatcg 120
 ccgcctaatac aaggagctag gtagtcgcat ggtatggtag aaaactctaa gtttccctat 180
 agatagtgtg caacatgcat ggaatacaag gatgaaaaga atacatggat agtgtacatt 240
 ttacatgctc cttcccacaa agctttctac ttaatgggct tgagagcttg atgaccatag 300
 tggtgcaagt tgtacatttc attggcaatg ctgcagctcc agcacttgct gctcatcatg 360
 tggaggcatg attctcttgg aacaccctg cttgacctt gtgggaggaa tggcttatca 420
 aaataaggca tcaattgagc tcttgaacc atttccttcc tcagcaaacg aacctcttcc 480
 tcttcaatca acttttgcag cttctcctct tggttctttt gcagctccat gat 533

<210> 29320
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400009h02d1
 <400> 29320

attcaaaca agtgccataa ttttaacccg gaaattaata aatttacata caagtgagga 60
gataagctta ggattcccca aggaaactga caaacctac ggtcccgatt gcttaataat 120
cgtgaatggg acccaatcta cggacaatat caatccactc agtggaaagt ccaaagccaa 180
atttaccttg ttattattac catcaccgcg tgctcatgga tgccattcct gtacacgtgt 240
cacctccac ccgtatacgg cgagtcaaac cagattcggt cactcaccca aattctgcca 300
tactagtttc aataacacaa attggggatt tcacaacctt aaattataca attagtaatt 360
ttcttttttg aacaacaaca atactagcta gctagcaagc tactagcaat agcttagcgt 420
agcatatata aaaattaatc ataccagag agcgccgact tggaccagtt tggggatc 478

<210> 29321
<211> 514
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400009h04d1
<400> 29321

aatctaata ggatcataag atcagatttc ttccatttta ctgttgaata ataatgtaca 60
gaacagacc agtagtagag tatacactga caacaatata tcagagccca aaaaccatgc 120
atggactctc tacaaaacct tgacttcccc attcgtaaat gcagaatcac aaaacagttt 180
cccatctact gtacagcaat gtctaacctc ccaaaaaaga aaaatatgca agttaagttt 240
tgtatcaatt tagccctttc tctggcatct atatggtggt ctgattccag aagatgcatt 300
tgccattgca cgaactgtca tttctagtat cttaagtgca ggagagaaac ccctcatgcg 360
ttgatgcttt aaatatgtta catacaacaa gttcctcttt tcgaacaagt gagcatttgt 420
tagttgattg cttgatatga acaaattgtc agaaagttta atgctgagac attaataaac 480
tccataagcc cgagcagaag ccatgcaaaa tgca 514

<210> 29322
<211> 528
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400009h05d1
<400> 29322

gataaacgag ttatttgcca atctttacca taaagaacac tacaaataaa atttggcaac 60
 agctcaacac tatcaatatac aaaatttaca taatgactgc cataaagaca agcaatattc 120
 tttcaatact catcatcatt tgagactaat taagcttgct tgattcctag aattgaaaag 180
 agaaaagaat attttgttgt tgggcttatg atatctagtt gggaccccag cagcttaagt 240
 acatgacagt tctcaaagac tcttctgatt gatttgcctt ctcatgtttt agtggtgtgg 300
 atatcatagc agaagaagaa agcttgtag cctgagagaa tgagccaaca tgggttttga 360
 gatggtgttg agctgatctt aaggcatgat tccacctgca tatgccttgg tctttcaagg 420
 cctccacaat tccaacactt gctgccacac tccatgctct aattcctgaa ctcatcttgt 480
 tattgtgatg atgatcctgt aatcttttag atgactttat gtgacaga 528

<210> 29323
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400009h06d1

<400> 29323

gaacactaca aatagaaagt tgacatttaa taaaccaaag caacacaacg cagcaaagtc 60
 ctgaaactcg ctgcgcttaa caaaaatgta atcagggggt cgcacaaaca caacacatta 120
 aaacacagat aaataaaagc aattttgcca ccgtcgatca agaaccagc tctgggaaca 180
 acagttgcga gatgatggtg gagacttcaa actttgtccg aaaaacaagc tacctagaaa 240
 agaagacaca agagtacaga aaagaaacca acatttattg taaccaacat cccctgatga 300
 accagccgc acgattcact tcttcttctg ggcagccttg gtgaccttgg ctccggtagg 360
 atccttcttc tcaacgttct tgatgactcc cacagcaaca gtttgacgca tgttctaac 420
 agcaaacta ccaagtggag gatactcgga gaaagttcac aaccatgggt ttggtggaat 480
 catcttaaca aaccgcatca ccgtcttcaa aacttggtc cttctaagct ctatgcggat 540
 cgctgcaatt tgtcatgagt tcaca 565

<210> 29324
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400010a01d1

<400> 29324

aatgttaaaa taattcttaa gcatttgcca caagaaaatg agaaatatat agcatacatc 60
 tttgaagaaa taaagtgtaa cttagggact agcaaagaat gtacatgtct tatccaaaag 120
 tgtacatgca tatgatataa tgcattgtct atgateatcc ctttttcttt tatgtagagg 180
 aactgatac ttttgttcag ggacaatggg agatttagta aagaaactaa aattgccaat 240
 ggccataaag tttaatcttc cccttcctct ctattccttt ggacagcacc aaaatgcttt 300
 actagtatgt ctaccacaat aggcaccaag ttcttgcaag gcacaccctt cttatacacc 360
 tcagctagat gtgaatcact tccaattctc cctcccagga aaatatccac accttcagt 420
 gccttaccat tctcatcctt agccatgcac cccatgaaac caatgtcagc aacttgacc 480
 tggccacaag tggtggggca gccagtcaa tgcattctca caggcctagt caca 534

<210> 29325

<211> 612

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400010b01d1

<400> 29325

gaccataaag aatttcaaaa tattctgagg tcatgacata ctcataattt aaaacaaact 60
 ctacacaacc ttggaatctt gcttttgaaa tttgaaaat gggaaccaa tgtgtctaga 120
 agtttgaaga aaaaatgaaa gtaaaatccc agcaaaagaa tccacaaaac aaaatacatt 180
 attcaaagat ataacaaatg taaggtaaaa gcaaggctgt ctgccatgcc cttttttgta 240
 caaaagtggc catgcagccc aaaggaagaa gccatgggag aaattatctt caagtatcgt 300
 ctacttgtga atgaaataca aagctcgga atgttgtggt gatgtccttg aggtattgaa 360
 gggatcatgtt cttcaaaagt gacggatggc gcaaaacaag gtttctccac tcttccttgt 420
 caattttgcc atcatgcttt gtatctgctt cctcgaaggc cttgtcaatt atactttcta 480
 taacgtcatc tgatagggtc atgccagatt cagcaagagt agcaactacc aattgcttca 540
 cctctgggtct ttcaataaaa ccctgctgct tgagatcata tagttgaaag gaaaaatcga 600
 tcttatcatc aa 612

<210> 29326
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400010d01d1

<400> 29326

cgtgttgtct tattttactt gtggcaagtt ttgccaatat ttacatcaca aaaaagaaaa 60
 agatagacac atcacgctct tcacatatca aatctcactt ttcacacgaa ttgactgggc 120
 aaaaaagcaa aaaaagaaaa agagagacct ctgaagataa attacggtgc cactttcatc 180
 ataatccaca cctaccaaca ggtaccgtgg gtaaaagcac gctaaaacaa gacaactgga 240
 ccaccaattg gtatggcatt tcagcttcat aatcgcttcc tcaattgaga ccctttgccc 300
 actgctttca tattttgaga atctctgaaa cagacaaagt gcacgagagt gctaccattt 360
 gggtagacag caaaaacact tgtccctatt ttcttatggc acagagaaca catgctatca 420
 ccagttatct tcacaacttc tttcctctga ctatagagtt catctttcac ctgaagggtc 480
 tcactttgtc tcaagctctt taccaccgaa caatttccgt acatttcact agattttctc 540

<210> 29327
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400010e01d1

<400> 29327

gctcaaggcg aggcacgaga taaccacttt ttacatata tatatagaga gagagaatac 60
 gaagcacact gatcacagga tgatgctctc ttttaagtagg gaagcagatc ttatcagtac 120
 acataggtag gttgaaattc tagctctagc aatctagcta gagaaggtag tacttgcaca 180
 acacacagca catgataatt tattttatac acaatctcat tctcatggtg ctcaagatgc 240
 atggactaat taagcaacaa tgttggtctg ataggcagtg tccacagata aattgggtac 300
 ccataaaatg gcctcgcttc caaggaaatg gcaaacaggg ttagttccag gatcaactcc 360
 cataagttga tgaagcattt gatgattcat tccagaagta tttgagtggc aaatagcaag 420
 tgcctgagtt ttggttccat caccagccac caatggaacc atgaaagctg ttgttcacgg 480

acttcatggc agtaaaatac t

501

<210> 29328
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400010h01d1
 <400> 29328

aacataaatg gtttggtttc atttaatctc ccatcaaaga atgttgattg cataacatag 60
 ttgtatattt gtgagtttaa aattcttaca catgcaaagt ggagtataac aagagattgg 120
 ttatgcagtt ctatgacagc acattttgag ggaataaaaa acaaaatagt cccaaatgaa 180
 aagataggaa tatatattta gcattaatga gtattatact ttgcacaagc catatcattt 240
 ttagtataaa gtatattcaa cgaatgggat catctagatc agttccaaac caacagagaa 300
 attctgacac tgggtccacta gtgaaatatt ataaaaaaaa aatctaacat gaaataggta 360
 accaaatgaa atggatcgga gtcactagtg gttaggaaga gcagcaccca cttttctgtg 420
 caactggctg tcccctgatc tgcactgttg gaggccttgc attgtttgca ggttggcttg 480
 ccattctatc ct 492

<210> 29329
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400011a01d1
 <400> 29329

gaaattaata gttggcattt ttaatcaatc caattcccag cacacaggaa aaggccccaa 60
 agaccatttt taccctatg tgaaaagggt tctccttttt tttggaaacc aatttaaaaa 120
 attcaagggt taaattaaac ctttatatac acgtgtttcc attacacgcg cggacaccag 180
 ccattggagt cctgttttagt ttggccaaaa cttgcttatg gccaaaaaag ggaaaaaaa 240
 ttttttaaca gctcccgcaa agaaaaaaga aaaatcccac gtaccactt aattggcacg 300
 cacaaaaacc gactgggcac gtgccaaaaa aaaaagtcta ctattttag ccaaacttca 360
 acttattggc cttcaattgg tctttata 388

<210> 29330
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011a04d1

<400> 29330

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gggggaccct ttgaatgtaa aaatactaaa aaaatgacta cctaacttac ataactgagt   60
atcacgctgc ttctggttgc aaatcatgca ccaagggctg cttagattgt gccataggaa  120
gagacctgat cgtaacttcc tctgggggct tataacaaaa tttatagtcc tattatcata  180
cataccatt ggcttccttg ataggaaact acaatccctg ctctcaacca taatgggaag  240
cttcagtaat cattgtcttc atctttcatt attgtgtttg gaccatcadc gaaaccctg  300
ctaggggcaa gctcattcaa atcaaggaag cgtctctttc ctgtgctgct ctcaacttcc  360
tcctgaccag gactgcttaa tttttcagga ggctggtttt gttcattctc ttctactgct  420
ggatatggaa caggctcadc tactttcttt tcttgttctt cattatcact gccatctgaa  480
tcttcacttt ccatcatgta ttcaccattc tctactgggat ctgagtgatc agctgatgaa  540
atagacttct ca                                                         552

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<210> 29331
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011a05d1

<400> 29331

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agcaagcaac tttgaattaa aatttaatgg gttaacttcc ccgacttgca aatcacccat   60
aattggaata tctaataagt tgatcgggtg aagcctaadc aattctactt ggaagtgatt  120
tgggggagtc aagccatggg cccccattg atttgcctct ttgctctata cttttttttg  180
ggaatgcaaa aaagacatga gtttgactgg cttgggatag catttcaaag gctttaaatc  240
ttacattttc tggactggca ccgggtttta ttattggggc ttgaattggg gtttttcctt  300
taagcatgct cactactgat gacatacatg ggctaagagt gggaaaaggg ttggggcaca  360
agagtgccta cagcagcatt ctgatggccc tttctggggg gttctttgaa ccaagacttg  420

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gatccacccg ctccaaaagg gttcctt

447

<210> 29332
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011a07d1

<400> 29332

atgaaactgg gatatgcaag cgctattgcg cgccttggac caaaacattt aattttcata 60
 tattacaaca aagaacagac tttagaaatc tgccaagact aaataacggt accagccaaa 120
 acctaaaggg gaaatttatc acgcagttat aactgcatta tgcaaacaaa agataaaaaac 180
 catgcagaaa ttatagaacc ttactacca taaattgcac tactggtgag cacattgcac 240
 tcggtgacca gatggctcat catcatcttc atcatatgcc ttgcgatatt gctgatgctg 300
 ctttcgtctc atctcctcct taaagggtgac atcatgcaaa ggggtctcct tacaatcatc 360
 cagctccatg gctgacacat gcttgctgct cttttgaggt aacacctttt ccaggaactg 420
 gcattggtca ggggaaagaa accctgagtc tgggaaatca acattaaact ggatgtaaag 480
 gcga 484

<210> 29333
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011a08d1

<400> 29333

gaagacaata aagattttga ttatattgaa aacagcatca taatgacaat gataatgata 60
 ataataatcc cactataatt gtataacatc taatttgttt ttgcataatcc ccaaacagca 120
 gagagcatga accaatgcaa aattgtaccc tttttgatgt ctttgatatc ccatttacag 180
 aattaaacta agcagcagcg gactacttgg agtccaacca ccgcaaattg aattccccct 240
 agcaccagca ccatgtacag gtaacacaac aacaaccaa aaataaaaaac ctaaaaaaag 300
 ctgagctaaa tggacatgtc tgtgcccaaa ctcaccttac cttttcaaatt tccctttcag 360
 cgaggggctag gaaccggcac ggtcggcgaa agcggaagct gcggaaaccc taactgacca 420

gaagttgggg aaaacagaag ccccggcgac agaagaggg

459

<210> 29334

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011a09d1

<400> 29334

gaggatggga ggcaagaggg ggaccaccgc tgggaaaaaa aacaccaaaa aaaaaaaac 60

aagaaggaaa aaaaacaaaa aaaaaataat aaccaccatt aacaaaataa aaagctgcaa 120

aaaaaaaaa aaaaggtgga aataaaagac gcaaaaaaaaa acgaggaaaa aaaaaagag 180

ggaagcaaaa ttagaagaag aattgagagg agaagtaggg aggaaaaaca gaagaccaca 240

aaaggggggc cccaacaag gaggggggga acaacttagg gatcaaaaga gggaacaaca 300

agaggggggg gcaataaagg gggcaacaag aataagaaca ttaagctgga cgcgaggttc 360

ctgcggggaa agatgacccc tcctaaaaag aagcccc 397

<210> 29335

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011a12d1

<400> 29335

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ccagctagtt ttcgttaaaa cacaagtact cctacattta cgactagtta gcttatgttt 120

gtgtagctgt tatcaatgta atttccatct ttccaatgca caaaacgaaa aagacgcagt 180

tttgttactt tcggaatgag agaaaatctg ttgcaacgta cgtgtactca aacatgccct 240

tttagttagc cttgggcggc atcgttttca atatggacac taacacttga gccatccatt 300

attaatccat cttcatgcgc cacccttctg ctagatccct tttcggttcg ttttctcttt 360

gacatgatgt ttttttcttc ctcttcttct ctttcattga caaaggtaa gaatgatcta 420

agacgagtat agtatgatga gcatccctc 449

<210> 29336
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011b01d1

<400> 29336

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 atacccttca tcacgaaact gaaatgacaa acattgattc aaaacctgcc ttaaaattaa 120
 cataatatca cagaaagatc gagctatagg tgacaaaact gataacacac tcctaaagtg 180
 aactcaatct aactaaagaa tagcctggga cttgttaagg atcactccct cgtacttcac 240
 ctggaaccac ttcatagcat cctcctttgt gactcgggtgc tgaattccaa cacgggactt 300
 gcatcttcgg cgacgtccaa cacgatagcc aggtcgctcc agaacaacaa agaaatccat 360
 tccataaata ccagttgaag gatcatactt gattcccaaa tcaatatgct cctgaatacc 420
 aaagccgaag caaccagtat cactgaagtt ccttctgaga gttcatattc cttcaccttc 480
 aaaccac 487

<210> 29337
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011b07d1

<400> 29337

aaagcataaa atttctttta aaattcactt taaacctcgt ttatcgttgg gtcgacatta 60
 attctaggga ggggctttcc ccattaactt gtgatgaaat ttgccatatg ctcattttctc 120
 agctaattgc taccaaataa attggaatag ggtacattgt agttcaaggg tgtgtgtcca 180
 gcacatagat gaaaaataat tcaagcattc gagctttctc tggaatggtt gtgatattgc 240
 agtgaagcct ctcttactgt cttgagagcc ttgtcatatg ctataaacc cataaaatag 300
 aattcataac catccactgt gacaagctgc atgtattttt ctgcagggtt aaatctattt 360
 gagaaaggac taaccgtgct taactgatcg agttgcaaca cgaccttata atgcacactc 420
 tggttttgct gcagcgagag tggataattg cacagtggat agtcgctgca aaaggctact 480
 cttttagttg atacatatat t 501

<210> 29338
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011b10d1

<400> 29338

gcaatcgta ttgcgcgcct tgtacaaaa catttaattt tcatatatta caacaaaaaa 60
 cagacttttag aaatctgcca agactaaata acgttaccag ccaaaaccta aagggtaaat 120
 ttatcacgca gttataactg cattatgcaa aaaaaagata aaaaccatgc agaaattata 180
 gaacctctac taccataaat tgcactactg ttgagcacat tgcactcggt gaccagatgg 240
 ctcatcatca tcttcatcat atgcctcgcg atattgctgt tgctgctttc gtctcatctc 300
 ctccctaaag ttgacatcat gcaaagtggc ctctcacia tcatccagct ccatgtctga 360
 cacatgcttg ctgctctttt gaggtaacac cttttccagt aactggcatt ggtcagggga 420
 aagaaaccct gagtctggga aatcaacatt aaactggatg taaaggcgac cctttatgaa 480
 t 481

<210> 29339
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011b12d1

<400> 29339

gaataataaa gaacagatca cgcaaaagtg cagtaatcgc ggtgcacggt gcacctgtaa 60
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 aaaaaaaaaac tagggcataa ttttggtttg attaaacata aggggctatg gattatgctt 180
 taaagaaaca ttaacacata gcatgttcac aatttgatat atcatgaaac gcaatagtgt 240
 tttagttgac agacagacat gtggagatca ttatgcacgt aagaagcgct ttttcagtct 300
 tcgaaagttt tgcactcaat ggtctccgga ttgtccttgc agtaggtctc gagcgggtcg 360
 gagacctttc ccttttgctt gtatttggcg tg 392

<210> 29340
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011c01d1

<400> 29340

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 tccctgttgc acaggtttga ccaaatacac tgaattacta aaattgacat aaaaggaaca 120
 ctaggaaaac aaaaagcaaa attccaaacg attattcttg gaagagtcaa accacaataa 180
 tacttatcaa caagaaattc ggttggttga ccataatac cgattcctac tcgcactagt 240
 ctcttcaaac aacaccaact tcgattgatc agtagctgta gttcgaaaca tggaggctct 300
 ctgaggcacc atcagcaagc tgtgagttac ccttgtaggt tcccagagtt gcctctgagt 360
 tagccttggc tcttaccaaa agggcttcct gagccttctt cacattctct tcttttcgcg 420
 cccatgcctt aagggtgctc tgctgaagtg cccttccaag gagaaagaga gtgaccatgg 480
 cttcttccca ttga 494

<210> 29341
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011c05d1

<400> 29341

aactatgata cgatattgat atttaattct tttggcgaaa cgagctcaat acatcatatt 60
 aaaacataaa aagcagcacc taaaccagaa cagcaaaca gttcaaggga gaaattgaac 120
 ataacagaca tgacatacaa gaacacttga aaaaagacac gcttaaaaca agaacacttg 180
 aaaaaaaaca cgcttaaaaa ccaccgcgaa ggcgaaggac gagatgcaag ggggattcct 240
 tctgaatatt ggaatctgcc aaggtacgac cattttccag ttgcttccca gcaaaaataa 300
 gcctctgctg atcaggtgga atgccctcct tggcctgaat ctttgccttc acattatcaa 360
 tggatatcaga actttcaacc tccaaagtta tggtttttcc agtcaaagtc ttaacaaaga 420
 tttgcatgcc accacgaagc c 441

<210> 29342
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011c06d1

<400> 29342

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 caaaaaaca attacaaacc acactatgtt aaagccacag ttgcaggcac gcttgtaaaa 120
 cttagttatt ccactacaca ctcttgaaga gtaagtgggt agctttaggc tatggagaac 180
 atgtactaat gtgcctcact cttttaacac aaaccttaaa tcacagacag aagcatgtag 240
 attgtagtgg agcttatgca tgttcatgga atgggataga caactatatt tgcagttgct 300
 ctgtttgttt ccagatgggc aaacgcttca acagtctgag aaaatggaaa cgggctcttc 360
 gggtaagta ttggcttcag cttaccactc tcaaatagg ggtttagttt ctctaagatc 420
 gccccatcag tagagagtat gaaaaggata gctggatgaa atccaggtgg tactattgtc 480
 acaacttt 488

<210> 29343
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011c07d1

<400> 29343

ctctatcaat agacaaagtt aacaaaatct tattaatatg ttggtagaca aaagcacaag 60
 agaaaaatat tgatacaaaa cagtaaatag cactgccata tatatgcagg cagcagatcc 120
 agcctagaat ttcaagaaag gttaaaactaa cagtgcagtc tttgcaattt gcaataatat 180
 acattataca aacaatcctc cacctttaat tatgtcagta gaaatgttta aatttaaaac 240
 aacttgatca agcatgaaat tctggttaag cccgtctttt tctatcatct tctctgcat 300
 catcagaatc accactctca cgaaaccgtg gatttttttc cggctctggat tctgggtcag 360
 tgttctccg agattcatga tcagaatgtc tttttgagga ctctgtgatg tggcggatc 420
 catctcgggtg tctcttcta tagtaatctc taccatgtcg atgggaacca ccatgaccat 480
 gacctccacc atgtctacca taggaagttg gaataactgg tggaaaagaa cccatagacc 540

agtgccataa tctacaagct gg

562

<210> 29344
<211> 535
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400011c08d1

<400> 29344

ggattgcaat gatcatttat taaggttcaa aactggctat gtttcaggcc acttttgcag 60
ggtgcagttg aagacagcat ctatatacaa acatatacac atccttccga atacactacc 120
tataaggact ttgacaattt caggaacaaa tggcctgagc aaattccata taatgatatg 180
cttaacaagc tgtttaagtt taacctactg atccctcaag cttcaagctc atgagttggt 240
tcacctcaga accaaattca tcaggaagct cattaaagac atcacggcaa aatccagaga 300
tcatagcagc cattgctttt tcatagtcta ttcccctttg ctgaaaataa aacaattgat 360
cttcaccaat tttggacgta ctagcttcat gttcgattct tgctgttgga tttttcacct 420
gaatgtaagg ataggtatth gcagctgcat tgtcaccaat gagcatagag tcacactgcg 480
aggagtttcg ggcattgctg gccttgga gaacctgaac cagccctcta taaca 535

<210> 29345
<211> 363
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400011c10d1

<400> 29345

aaaaggaagg ccaaaccaac actgaaaaaa cccgggtcgg aaaccagcgg ggtaaaactt 60
taaggaacat ttatgaacag ttcccaaaaa gaagattcct ttaataacct aaaaagaaaa 120
aggggatggg ggacaaaaag ttggccggga tgaaacattt ttttgggggt ttaccaaagg 180
taaaaccttt tggtataacc gggaccgcat tttttataaa gggccccagg gccaaccagc 240
ccctcgggta ggttaacttc tttatgggcc ttgaaaactt tcgggaccg gcaaaaaatt 300
aggggtaaaa tcaggaaaaa agcctggtca tgccgggggt ttttttgaac ctgggttgga 360
aca 363

<210> 29346
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011c11d1

<400> 29346

gaataataaa gaacagatca cgcaaaagtg cagtaatcgc ggtgcacggt gcacctgtaa 60
 agatctacac tttcacgcaa tcgatatttg tttccttaat ttgatttagc tttcacaaaa 120
 aaaaaaaaaac tagggcataa ttttggtttg attaaacata aggggctatg gattatgctt 180
 taaagaaaca ttaacacata gcatgttcac aatttgatat atcatgaaac gcaatagtgt 240
 tttagttgac agacagacat gtggagatca ttatgcacgt aagaagcgct ttttcagtct 300
 tcgaaagttt tgcactcaat ggtcttcgga ttgtccttgc agtaggtcta aagcgggtcg 360
 gagtcctttt ccttttgctt gtatttggcg tggc 394

<210> 29347
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011d05d1

<400> 29347

cagagtaata cattgtgtag agtatttggt ttatatagtt tgtaattacg ggcttgtcag 60
 aatgtgtatg gaccagccca tcagcacaag ttcataatat acaatgttca ctattgtttt 120
 aatccgtggt cttcctgttg gatttcataa cctattacac aactgattga tagcatgggc 180
 taaacaaact gcagtattta aatatggcac cattttcttt ccgtgagtaa tgtagctgct 240
 actggtttta tcaacaagaa caacattaac ctacatagc tccatctttg cttgaactct 300
 gtcctatgct agtctgatct tgccatggcc acttcagatt agaagatgag gagcactgct 360
 gtggaactga aaatgaatat gagcttgtagc tggcactg cttcttacat gatgaagaat 420
 cagctgtgga gcaaatgtct tggatcaatgc ttgacatgcc agtatctttg ttatgatttt 480
 gagagt 486

<210> 29348
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011d06d1

<400> 29348

```

aatggaacaa acatgaatca cccaatacaa ggagtgtcat ttatacactg tgtgctaaca   60
ttgttgatta aattaccatg gctaaacagc acagcacagt cacttgaaag tgctaaacat  120
gaaataagat tgcatacagga aatcaatggg actttattta cagcgacagg gaaactagaa  180
aggaagggga atttcccccc ttatccataa taagctcaca tgtggtgagg tgaattaaca  240
gaactagaag aagaacatca tgtacagata aaatgcaaag ttaagaacag gacatgcatg  300
caaagctagg ggtctgcttt accaacaacc tgttcacac tagaatcata ttcattctca  360
ctcatctcct catcactgga tttctcttct gtggcttccc ctatgtcttc gggtttagca  420
tacttctcac agtactcttt aaccctttgt tcgtaacttg gtcggtcacg catcattaaa  480
gcggcagctt ctcttttcaa ggggtctgat ggattgggat acagcagaag tgaggtagaa  540
cacctcaaca cat                                                    553

```

<210> 29349
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011d07d1

<400> 29349

```

atgatactgc aactggcaac atttataaga gctcttgaac ttttgttatt gatacattcc   60
acaatacatg gggctgtaag cctggtatag attctatgga ttaagttcct cgattcattt  120
atacattgcc aatgtatgca tgcagaccga ctttatgcaa gttgcattgc cttttcccgt  180
ttcaagtcaa aaaccctgat gagtgcattt tcaacaacct tgtctggtgt ggatgcacca  240
aatgttacac caattggtat tggaccctct ggaagccagt tttctttctc caccagctct  300
ccatgggtca acttgcattg tattttgatt cctggaccaa ttctttgctc actgtcaatc  360
caataagaag gaattccacg ttgctgcgct atttcttgca cgtgtgatgt attgctagag  420
tttcattcac caactac                                                    437

```

<210> 29350
 <211> 303
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011d09d1

<400> 29350

aaggggttagg gttatatttat ttttattgaa agttgaaaca aacaaagctg aaaaaagaac 60
 acacggaccc agcaacagaa aaacaaggac gataagacga aactaaagaa cgcccatgaa 120
 aaaggggata agaaaaagag gaaagcaaac aacacatgta caaaaacaaa acagaaccgc 180
 aaactaacat cgactgaaat acaagagaga agcacctgaa agcggatgag agccacagag 240
 agagcaagac tcacgcgaaa aacaaccaat agaaaggaag ccagaaaaaa caaatactag 300
 aga 303

<210> 29351
 <211> 363
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011d10d1

<400> 29351

aaaaatgggc aaccggtcaa cccttcctaaa atgccaaatt tacaaaaggc cgggcaaaaa 60
 gacacgcatt ttttttataa caccacaat cggggggggc taaaaaagct tgctggcatc 120
 ccaaatgga aaagaaaaaa aaattttttg ggggggggccc taagaaatct aggggggccc 180
 cccgcaggtt aaggccagga ccgtttttta aaacccttg gggggattgg ccctctcgag 240
 ggtcaggggg ggggatttca taccagaaaa aaaaaggttg gtaccctggg aaaatggccc 300
 cacctgggtc tagggaagggt gtggccctct cccaggggg ttatcccccc cgtaaaaccc 360
 cgg 363

<210> 29352
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011d12d1

<400> 29352

gtaggaacat taaaaactga tgataagcct aaatcctttg aattattttc agaaagttcg 60
 tgcaagagac atctatgcct tgaagttgaa tgaactacat ttggaagata tataaaacta 120
 caatcatgcc accaatacca gaggaacgca aaatcataat gcgaacttct gaactggcat 180
 gtgattcagc aaaaacagga gctgccaaact tttaatgacc ataaacatgc aggtcttgct 240
 cggactcagc tggtagccac tgagtcactg actatttttg tctcattctt cagctgtaga 300
 atcagcaacc aatcaagcta gcggaaaatg cataaagaac caacattgga gacaggctca 360
 atttgaattc agaaactcgc taacggtgac caacaaggag gcaggttcaa ttgaccatac 420
 tcaaactgta caacgagaca tactggggat ttataagaga cagtgtaccc ttaaagaact 480
 atgatgatga 490

<210> 29353

<211> 556

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011e07d1

<400> 29353

aagtgaagaa aattcatttg catcacagaaa atacaaaggc tataaatcca aatacgtaaa 60
 agttagaata ccaaggaata aactacaaaa acataaataa ctcaaaaacta ttgaaaattg 120
 tgctccttgcg ggtgatcact tccctcccg c attatcagca tcagctgcag gatctgaact 180
 ggcactacct gcttccgtct tggttgtttc atcaatcctc ctactagaat catcgtctaa 240
 ttcacatcatc atcatgtcat cctctccac atttatatct tccacatcat catcgtcgtc 300
 attattgttt tcgtcagga tctttctttt cttgggacca tgctccagcc tatgagtatc 360
 caactctttg tccattgtct cctgtaaatt ctggtcattg ttaactttcc ttgcgttcct 420
 tgcattctgc catctctcca attccttctc aacattggca agatactgct cccaatctg 480
 gttctgatac tcggacactt cctctcttct tgcattcttc cattctagaa aagcctcttc 540
 tttgctcttc tcaagt 556

<210> 29354

<211> 201

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011e10d1

<400> 29354

ggccaaaaac ggggaaaacc cccaacaaaa aagggtgggg ggaaaccca aaaaaacccc 60
 cattcattgg ggaaaaccgg gggggggaaa aaaaaggggg gggggggcca agaaaatcaa 120
 caccgcccac aagtcagaga cccacccta aagatgtgca ccggagccta tgcattgcccc 180
 cggtatggga aaaacaactc t 201

<210> 29355
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011e11d1

<400> 29355

aggcgaatta tagatgtcct aattttattg aaggtagctc atcatgtttt ttttatgctt 60
 ctcataacag actccattca ctactctat gaacccaac caaccaacca catgatactg 120
 atattgaaaa ggaaagggga agggtttcga aatgatatcc ttaacaccac aatcccctaa 180
 acgacgacac gagaaagaaa agaagagaaa aaaaaggcaa aaacgacacc gaaagaaata 240
 acacagattc agagattaaa gccgcgggtc aacgtcgtct aagagagttg accgcagttg 300
 gcgatgacaa cgggcttgga ggtcctgccg gagctggatc cgaccttctc gatgtccttg 360
 acaacgttca atccttcgat gacctgtccg aacacgacat gctttccgtc gagccactct 420
 gtcttctccg tgcaaatgaa gaact 445

<210> 29356
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011e12d1

<400> 29356

aggcacctaa aacaattaaa actttgtgaa cattgagtgt actgcaaaca taaaaaccaa 60
 ttctggatat aataaattta aacagaaact gactcaaaaa tccctgtgag aaaaaatgct 120

taaactattg gcctcctaac tcgggggacc taatttttgg ccacaacatg aaaatcgaat 180
 aaaaggaaaa accaaaccaa ggagaaccta caaaggtcca ataccatccg ccaattgcat 240
 aaaaagtctg gcttccaagg ggacctaacg gagaaactta taacatactc aacttacaaa 300
 tccattcatt aaactagata tatctattaa aaacccaaag cttcaaatac caaataagtc 360
 aaccaaactt tactgaaata tggcacagga ctgggtgcat gaagaacttg atcacca 417

<210> 29357
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011f01d1

<400> 29357

gggaaaggcc caggggtttt tttatttttg ggggtttccc cccccccctt tctaaaattt 60
 cccccctgg ggaaccactt ttttttgacc ccctttttcc cccacccta aaaattcccc 120
 gtcggggccac ccccaaatca aaatcccccg gggtttaccg ggggattttt ttacccccaa 180
 tgggggaaat taaaaagccc tttttttacc cggggcacca aattcctaaa ccccattttg 240
 cccaaaaaaa accccccctt tcccccttcg gggttcggcc ggggaacccc tgaaatttcc 300
 cgaccccccc ggggtttgcc caatttgggg gcaaaaacct tgctttgcaa atccccccaa 360
 gcctttttct cccccctttt accccggt 388

<210> 29358
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011f04d1

<400> 29358

aaaaatcagc tcctaaattt agtatgcaca agaacatccc aagatgatga atttgggtact 60
 gggggcacat gacatgattg tttagagaat ttgataatta ttctcttgat tacatgttaa 120
 cgttaaacct aaaatcacgg caaaaaaatt gaagccacta atggagggca ttaacttatg 180
 tttgttttgt ttttgcaatt taaaacaaag gtcctaaagc aaaggacatt agatcatgaa 240
 attagataag acaagccaac attccaatct gtacacacag aaaaaaagaa gttttgaaag 300

gagttgaaat gaaaccctgc gggaaacaag caaaatctaa tagattttcc tttttcatag 360
 cttctaacat gctaattcaa ccataaccaa tttagaagga agaaaaatat tgtacaccaa 420
 aatcacagag ggccattgga aattggtgct cctctcttga tgctatccat gttggtagtt 480

<210> 29359
 <211> 576
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011f05d1

<400> 29359

actaatgaaa tttaaattctt agcagttatt tagcaccacc aaaactttca ttgatttgga 60
 tataagcata tattataact tacaataaag gcattttcgc tcattattga gagggagaaa 120
 ttagacagac cctatttcga cctttttcaa catttttggtg gcttcattga aattccatac 180
 taatttgcac aaatttttaa gaaagccacc agcaagaaca gccctgttca atgcatctac 240
 taacctgctc tagtttaggc agcaagtttc ttattactac atttactctc cactaggcta 300
 agtagaaaat ctgtaaatac gtgctcatag cctggcattt ttccatatcc aggaaagtag 360
 ttgatgtcga tgacgtaaaa cacatccttg gttccatatt ctogaatcat atctatgttg 420
 aacaagtgga gtcccaatct atgacggagc tcccttgcaa gcctctccaa taaaggtctt 480
 ggtggatgtt cagcgatatt aggatctaga tcagcatcat ctgcagaagc ggctgcacat 540
 gaaactctcg gaaaacggat tacaccagca actttt 576

<210> 29360
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011f08d1

<400> 29360

acaaaacccat caatcaggta cagttatatc gctgaataag aaaatcataa acaatcaatg 60
 aaatacaaaa aacgagaata aaattaacaa aatacaactt tccggcaaga agttgaacct 120
 caaaatacaa ctttcctaaa gcttcagggt atctgagaag tacctatctc caaaagcaat 180
 ggtctaagga atatacatgt taagagggtta aactagccac aaaacaacct tccaatttca 240

ccactgtctc cactgcatcc taaatagaat gtgcaactca tgcctaccct gtaccaccca 300
 attggctaatt ggggtccattg atcagagggt acccaaaaaa caccaatcaa tgacaatgta 360
 tcagaacgag acacacatta ttcaacacaa aattttcaca cttgaacaga actacctttc 420
 tcttccacag gtgaaacttg aagaccaccc tcatcccat cacaatcatcc gcctcacatc 480
 tgtgttacct atcatcatac catcaaaacc agcattctca gaacagtcct cgccccattg 540
 cgtttcttac acaacacatc acagaaa 567

<210> 29361
 <211> 543
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400011f10d1

<400> 29361
 atcaggagca ctggcaaaat aacatcataa cacaaccgga aacttacaag agatgttcgg 60
 tacattgagt attgtccctg taactctact ccattatctc ggctatcaaa aacaaccacg 120
 ttaccttttc aaacacagaa cttccacacc atgtagaagc tattagtgcc aaactggctg 180
 tggtcgatgg tagactcttt aatattacca ccatcgacac ttagataact tgctaagtaa 240
 caaaagttta atgggtccac tataccaaag cttcaccacc ttccctcatt caaggaaggt 300
 aaactaaaat tttaacctca aattgctcta ttccgaagtg gaaaaacgag ctccaactcc 360
 atagttagat cctgcattga gaataaaaca ttcactcagg tctgtatgca taataaccgt 420
 gaatntttat gctctattta cagaactata tagaggcata aacaaacttt cacatagaac 480
 caactgaacc cctaatactaa catctaaacg ttagtagtca aaaactagtg actgctatta 540
 aca 543

<210> 29362
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011f11d1

<400> 29362


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agtatacaac aatccccaac tgcagttgga taaatgcata tagtaagacg ataagcatca 60
tatatagata caatccaaaa ctgctaggca caagataaaa ttacatacaa atttttgtga 120
tcttcaactg gacagtgaag catctaaaac aacaatacta gaaagttgat tcatttcac 180
ccatgttttg aaagattccc gagaagtttg gtatcttata aacatgcttg agggcacgct 240
cagctgtctg ccgagttcga tagtcaccat gctggaaagc atccacaagt gcagtactca 300
cattttggtc ccagaaaact tcataggcta tatcatctgt tctcaataat ctctccactg 360
cccaaactgc ccttctcttc aaagtatctg ttcttttctc aagtagcaca tcaagtatag 420
gcttcaactc ctctgcttca cacaaa 446

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<210> 29363
<211> 485
<212> DNA
<213> Glycine max

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<223> Clone ID: jC-gmst02400011f12d1

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<400> 29363

```

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gaaactatat ctcaagttatt gactatttac acaacataat ttcggtctaa tttcacggaa 60
aagcaggcag agcaaataaa agttgcagcc actcatacat gcaagcaaaa ggctgtcaac 120
aaaggcaaga gttttccaaa acttgccctct tgagatagta gaggcagcca aggcaatcaa 180
ttaacaaaag gataatacag ttatctcatg ttcccaagac acaaattttt cctcatcata 240
ttcataggca tgcgacaatt gatatacaaa ctgcagtata tgcccaatag tccttcctac 300
aagcaagaac tagaattatt ttcagcactt cctcaatctt caatatctca gtcgtatagg 360
ccattttgct cccatatatc cacaagaaaa tctaccattt cagcaagagg gataggctga 420
cggaatggct tggtgctccc aagtaaactt tcatatgttg cattccaact caatttaggt 480
tcttg 485

```

```

<210> 29364
<211> 452
<212> DNA
<213> Glycine max

```

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<223> Clone ID: jC-gmst02400011g01d1

```

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<400> 29364

```

```

cccccaactg aatagcaatt agccaatagc taaaagggtc ataacgcacc aaaataatgg 60
gaaacatgaa aagaagcctt ttatggccaa cccaatttaa aaaccctcct ctttgggggg 120
tttttacaag gaaacatgct tatttggttg ggggcctgca agcaaaacac attttgggcc 180
taatggtgac aaacccatt ttggagagaa aattttatta gtctcccata aaaggcattt 240
aatcgggacc atgggggttg ggctgcca ttaaactcaa actcagggga ttgcctgggg 300
gagttcttca actcaggggg cttaatctcc tccaacattt taacaacttg acccattttg 360
ggcctttgat caggcccctt agccccacat gccaatgcaa tttgaagcct ttgaaccatt 420
ttcttttaaa atatggcgcc ttaaaaagct cc 452

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<210>      29365
<211>      602
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmst02400011g05d1

<400>      29365

```

```

gaggaaaatc tattctaatt aattttcagc taggaaatta catgaaagta aaggaggaaa 60
atgcaaacia aagataaaat ttaaaagggt tggcaataac atgtacttag ctagggacac 120
cttcacaaaa ttaattacaa agtaatccaa gttctcttct gtttcatata tataaaaaact 180
acagtttaat taatttcata atactgcac acacccttgt gccaaataat tagtctctct 240
atattgttgc tccaagaaaa ctccataaaa caattgaaaa tcattgatat catgcccagc 300
ttcatattcc attgctgcat gttccatcat gtcactcca caagggatcc atgcattcat 360
ctcatcaaaa ggcaaggaag agatcaattc catgtcaacc cattgattag gatcactgac 420
tgacgtggag caatcttgac tatccacgtg tcccatctca tacatttgac ccatttcagt 480
gtcagtgatc tctgcctnca atgactgaat catggtcaca agtctatcat cgccatagta 540
ctcttcttct tggtttcttc catagtgaca tgagaagaac atgttgatnc gagaatcatt 600
cc 602

```

```

<210>      29366
<211>      468
<212>      DNA
<213>      Glycine max

```

<223> Clone ID: jC-gmst02400011g06d1

<400> 29366

```

actaagaaga aaaatgccag actgttaaaa gttaaagttt aacctcggaa cacaaaaaat   60
tgaaatggtg gccaatgcaa ttctttctga gtaattttgt ataaacaaaa actagaaaga  120
aataaacttc tcttattttac ctttgacaga aaactaaact tcaaaggaat taagcacggc  180
ttttagagtc tcctcagaag ttgcccactg cttgtcattg gcactaacca caaacaaaac  240
aacagtgttt ccctttgctg ttgcttttgc aagattgtgt gtgcctgtga gagcatatgg  300
tgtttcgagc acgtattttgt agtatgtctg atcaccaagc tttttaactg aagtctcaag  360
gagctcttct ggatcaaaaag tgtttccagt gacaaatggt ccaagagaag caatcagttt  420
ttctgggctc ccaatgtcct caattgttgc atttggtttg ttggtaag                468

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<210> 29367

<211> 443

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011g08d1

<400> 29367

```

ggtacataga atccatttta aattttaatg gccctttcca caatttcttc aataacttca   60
tattcatacc tacaaaagcg caatgctttt tttttggtta ctacatacat aaaaaaaatt  120
gtaattggcc cacaacaaaa tacagagttt gggttgtacc cggtttcaaa ggtccatcct  180
ttcaagtttg cggcttcaaa caaagctgat ctccatttct ggaccttctc aaagtcctta  240
cccaacatat tttcatgttc agtcatggct tcaccataac tatttctttg acgccttata  300
tccttgggct ccactttgta aaatatgggc caaaccagtt ggtttttcat cttcatgcat  360
tcaaggattg ccaaaagctc attaagacac caccaggaat gtgcctaatt tttagaaaat  420
aactgattg aaagccttga ttt                443

```

<210> 29368

<211> 439

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011g09d1

<400> 29368

ccagtcaaac acaataaaaat aaaatgaact atgcatgaag atttaactat gcatgtttta 60

ctattagttc ctgcaatttt ctttttgctt gtatgcataa aagaaataga agacacattc 120

aagtattcaa cttcagccgt gtgcaccacc cccacggcca gacacaaggt aattaaaatg 180

ggggtgttga aaacttgctt ttccaagtga aacaaacatt ttagagacgg gaagatgatt 240

ttgtagacct tggatcttta ctatattcat acacaccaat accttgcttt cttccaagtc 300

ttccagcatc aacatactgc acaagtagag ggcaaggctg atatttgctg tcaccaaggc 360

cagcatgaag aactctcatt attgacaagc acacatgcaa tccaatgaag tcttgcaagc 420

tttaaaggac ccattggat 439

<210> 29369

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011g10d1

<400> 29369

atagacaata attgaagttc ccattaaaat ttaaaacaaa aacttatcaa acatgcattc 60

acctttaaca cttccacaat accacggttt actgggccca aaaacaagga cagatgccta 120

acgtccttag gaaactcact ttattacata agccaaaaat aatccctgaa tgggtcataa 180

ccaacagcaa aaatttcact ggccaccatg ctttgcttg gtatggtgtg gcaaaccact 240

ttcattgggg aaagacttgc tgcaggtttt gcaagaaagt ccacccgact taggagtctt 300

ggctttggct tcaactggtg gagtcttggc tttggcttcg ctggtgggag tctttccgcc 360

tttttttgca gggtagaggag ttgctggatg gccacctttt ttaccatcag tcttttcagg 420

agtagcattt t 431

<210> 29370

<211> 526

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011h01d1

<400> 29370

aagcaagtta taaagtaa atcattttatt caaacctaaa gaaacacaat aacacatcat 60
cacaaactca tgtaaccctg ccaataaaat aaaccctcat ccctaaactc cagcaccagc 120
agcagcttgc tcacttcaat acacaactcc tagaattttct catgtcacca cgtggttaagc 180
acgctgatgt ggagccaagt gttgtgctca cacgtaggta taccctccat aatacaacca 240
aagacttaac catcatataa taataatata ttaataataa agtaaaactaa agaaataaat 300
aaaaaaaaa gcttttcaac atgacatgca aaatggtaga cctaatgac cccacaacta 360
ggaccatttt taaacttggt tttctcactc acactgtcca taagtctaag cttcagtttt 420
ctcaacagga acctctactg gggcttccac tgtctcagct ggtttggttct cttcctctgt 480
ggctgctgct ggtgctgatt ctgggttctgg ttcagtagtt tcttta 526

<210> 29371
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400011h04c1

<400> 29371

gaacacaaaa accgcgtttc atcattcaaa tgtaaagggt atgccacgtt cattgaaagt 60
tgaaacttac aatgctgata atcgaacaca ctgacccttc tacagaaaaa catggaagtt 120
cagacgaatt tatagaattc ctatgtcaaa ggggataagt taaagaggaa agctaacaac 180
acattttcta atactttttt tatctgcttt ctttcattga ctgaaattca tgtgagtttc 240
acttgtttgt ggatgagagt cacatattta gcaagactca cgccaatttc tatcaataga 300
aagtatgtca gaaaaataa atattagaga atatattgct agtatttttt gttaaataaa 360
aataacttaa accaaggcaa tgctgctctc tccaccaggg ggtttcggg caccttgcac 420
agggtctttg atttctgtct ttccatcagc aaatatgtca ctgccagtca tttctctgag 480
cttagccctg ctcagaggct tctcagctga gccctgagga acatcttctt ggaaaatatt 540

<210> 29372
<211> 538
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400011h05d1

<400> 29372

aaaagtaatg catctataat aaattagaaa cgtcagttag tatcattgcc aaatcaaaat 60
 ttctgatctc aaaataagtt caaccccgca ctacaaacta cagtatctta aagcaaaggt 120
 ttacatctac ttgctgtata gatgaactgc agtgaagatg aagaaaccca ccatcattga 180
 aaatgatgct ccataatagg gataggctgc tggataaaat ctttcatatt cattgtgtct 240
 aaagggacga acaggaatct gctttgataa agataagctt gtatatccaa gtttttcgta 300
 ctcaactttg aattggaaaa ccccatagac atctggaacc ttaaagatg tgaaataacg 360
 gcccttgcca tcagttgata aagtcttcaa gacatagggg ctcatcatgt aaaattgcac 420
 ttgaacatca tcagctacgt aagggtccca tgctgtccca gaccactcat aaacttcaac 480
 agagtattcc aaattatcat tgatccgata gatggctggt tcattagctt cccaact 538

<210> 29373

<211> 595

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400011h07d1

<400> 29373

gaatggaaga aggcatatct ttaaattgaa ttgatggggt ggaaaacccg aatttaaaga 60
 tttccaatca tacacaatat tgcaacaaca aaaagaattt taacaaaaaa agactttctt 120
 tttttacttt ttttaccxaa aacctagca aaatataaaa acaaacgaca ctttttttta 180
 gactctttaa atccaaaagc tgatcacaat caaatcaat ggcgttattt atgaaagctc 240
 cataagactt caaacgacca aaagccggtt tctccattga tgttctcttc aaacatgaat 300
 ttactcttca atagcaaggg gcacagactc agccaatttg cggtacttga gagcatagaa 360
 catctcgagg taacgtttgc tctcacggcg ttcaagattg gtcacgtgct tccagaagcc 420
 atacacacca gtgagtgtca agagcctgtc cgagtaaatt tgccatgtgt acttctcatg 480
 aatacgcttg agtccaccct gggagatttt gtcccagtga gatggatcag ccttggctct 540
 tctcaaagaa ctcaacatgg atctcagcag catggtcacc atggtaagga tcaat 595

<210> 29374

<211> 458

<212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400011h08d1

 <400> 29374

 gtgtcatatc tagactatta agaaacgctt taatttatgc taatcttgaa agacctgcac 60
 tcattacact gattcgaata gtgtaatttc cgtgtccatg tacatttcta taatctatct 120
 agaagaaaac aaaaatttgg aagaaggata taaaacataa tattaataac aagcaagggg 180
 ctggggagaac ttcacgagac tcagactagg agaggcttcc ctcacatctt tgttcttatt 240
 attatggtgt tgccacattt tcctttgcct gtggagcaat ttctttctcca tcacttccag 300
 gttcactgcc aggaactccc aagcttagca gcacttcctt ccaactcctta gcaggcccct 360
 tccatgaaag atcttgagcc atgcagttct tgataatttc tgtaaaagct ggagttccat 420
 agactgcaag ggcccttttg acagtctttg atatagca 458.

 <210> 29375
 <211> 570
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400011h09d1

 <400> 29375

 aagcacaaaa tacttcgata actttatatt attttacatg catgcatagc atagatagcc 60
 tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac 120
 atttgccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca 180
 ttcaactaca gtatcccaaa ccattactct taagactttg aacttcactt gtactccagg 240
 atcatgttgt tctcaggagc taatccaaca caagccctta ggatgttttc cagcatagct 300
 cgctgctttg acagtgcatt aaccactggc gtactcggtg gaacctgtaa ttttaataatt 360
 gttgttcaca caatttgaga aaattaatca aaggggggat gaaaaaatc actgaacaat 420
 tatgaatcag atacattata cttaccagag gggccttggc caagtaactg aggatggctg 480
 caactgggtg gaatgagtgg aactttccct gttaaagcca taactcattt gagtctttaa 540
 aaacttanga taggaaatga cgttggaatg 570

<210> 29376
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011h10d1

<400> 29376

aacagtgtat aatgcccattg ggccatgatt tattttattta gaaagaacaa cctagcttta 60
 tgagtatgaa tatcataagc attggcactg ccatcataac agcactcaca cgcatacata 120
 acataattaa caccatgaac atgcccttct acccaactct aagctacttg catagtacta 180
 catatataat atccttattg aaattaaaaa aaaaaacaac agtaacatcg gaagattaaa 240
 aaacatagcc tcttaatcct cccatcccca tgaacctgca gtggtctcgg ttcattgaac 300
 cagcccatTT aaaggaaaag accttaatta ttttttgcatt aatatattac agattttctt 360
 cctcgatcat agacaagggg aggaaaattc aagggtcctg atcatggtgc ttgttggtcaa 420
 cattgcact 429

<210> 29377
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400011h11d1

<400> 29377

aaaagaaaaa ttccaccttg taactattaa tatgaagcaa agatagtagc atttggtatt 60
 tcgccccaaa catccagaat cacaaatggc acttcctgat tccaatctat gacagaaaaa 120
 atcacaaaac tcaacaacaa ttttataaaa gccaaatcac tcggaatgat cacttggcag 180
 aaagcaaaact ctagtatata taaatataac tctttatgtg gccaaagaaa tcaagccaca 240
 acccatctgt ccccgatgat tacgtaaaac cagccatttc aaaaacccaa gccgggtccag 300
 ccacctcta tttaccaagg ctggaccttg taggacccaa ggacattgac ttgaccccca 360
 actgttggtgac tgtcaaaactg gaggacttta gtcactttac tgatagacca gccaaagctc 420
 cttctaattg aagttgaatc caccagaagg cacagcagga ggttgagcgc caccaaagtt 480
 gaac 484

<210> 29378
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400013a01d1

<400> 29378

gttgatagtt gttctatata tactattgaa taaataaaat cattcgagta cagagggtga 60
 acgttgaaca ggaatcctca ttctatttgg attagcgaga cactgatttt cttcactaca 120
 caaaaaaata tccaagatga ttgcttatat ctcaactcaa actcaataaa acgtttgagc 180
 tgatgcatct ccgcttggtc ttctcacatg tacaccagat tttttgtcat aatgattagc 240
 agtgatatat cttttaagggt caattcccct actgccactg tgatttttgc ttttgtagc 300
 atacaaaact gctttatctt ctgagtcctg ctggagcctt ctacttgac caccattact 360
 atccactaag aaattctgat ccaagttatc ataggaggaa gatgccccca tgtagatga 420
 aagcccatag tggctatacc aattgggtcc cacctcacca aatatggtat ccgagaaaat 480
 aacagaaaact ggagaggtcc ttgata 506

<210> 29379
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400013d01d1

<400> 29379

aaattataaa gtaaataatca ttatttcaaa cctaaagaaa cacagtgaca caccatcaca 60
 gactcatgta accctgcaa taaaccatca ccctaaact ccagcaccag cagcttgctc 120
 atttcaatac acaactccca gaatttctca tgttaccacg tggcaagcac gctgatgtgg 180
 agccaaatgt tgtgcttaca cgtaggtgta ccctgcataa tacaaccaa gactgaagca 240
 tcatataata agattaatca agtgaactaa agaaatgaaa ggaaaaaagc acaaagaggg 300
 ttttaaacad ggcatgcaaa aggggtggacc tgagccccac aactaggacc atttttaagc 360
 tcgtttttct aactcagagt gtccataggt ctaagctgaa gtcttttcaa caggaaaccta 420
 aactgggggtt gaactgactc agctggaa 448

<210> 29380
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400013g01d1

<400> 29380

gcacatagga tttcagtcctc atattagaag tatgcaattc aaatgtgaga tttacaaggg 60
 catggcctct ccaactacaa ctgactagat tttgtagcat agttctccca agttctgaaa 120
 gtattatatt tagcaactct taagacaaga ataagtcggg ccacgcgaaa ccagttgcag 180
 tcttgagat caatagatat ttctcactgc acttccccctt tttctttagt gcaaagataa 240
 gcagacaaa tgagaatata tgacgataac agcttaatat taaatgttat gcaagtctct 300
 gtacatgcaa aaatgcaatc cccacgggaa cacattacaa aattgccag gtgagggtc 360
 gagaaataaa atgaacttac aattgttaat tcgtaaagt aactcttacc cttttttgta 420
 tgggtaaata acttcataca tttacttctt gtatatacaga ctccaaggtt gatgggtgta 480
 attatccagt agcaatatct gctaaaagca tct 513

<210> 29381
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400013h01d1

<400> 29381

gtataaatat tgctgttctt ttctttttta cgtgccccaa attgcgttga gttgaatatt 60
 acagaaatgt gaatgcaagt attatatacc taaacttaag ttgtccttgc ctttaacccc 120
 atcttctcaa gtttaacaca ttggccactc cttgcaaata ccctacggaa gcctgccaat 180
 gttgcaagga tagccacca atttcagttc acacgcaatt tctctggcac aaaagcaaaa 240
 attggaaggt aaacagctta cacagtatcc cccgttttcc ttctcaagca aatgtaaaca 300
 actatttttt gccacattca ctagagtatg tgttcagctg caaaagggtc caaatattgt 360
 tccttgaccc tttattattc cttcccttgg gacacaatat ttagctagcc cacaaagtcc 420
 tggatcatat gcccttcaaa ttgacgccta agctccttct 460

<210> 29382
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014a01d1

<400> 29382

acaataataa atccatattt ttataattaa aagtagtaga ttacagcgat gcacttgaga 60
 aacatattaa gtggactaat tctccctggt caagcaagaa aaaaaccagc tatgacccaa 120
 ggtagagaga gattatacac agaatactag taattaacta agactggctc tgcaattgcc 180
 aaaaactcca ttgcagtagc agccacctga gaagacacta agacctagac tagaccatac 240
 ataatgaaga ttaataccct tacataacaa cataggacac taagaaaaca cggcttcaca 300
 gagaatccca gtcgatctca taagaagggt acttctggag attaaaatta tccgaatcac 360
 cttccactg cggctcgctg acgtcagcga aagtcagaac cgaaagcg 408

<210> 29383
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014a02d1

<400> 29383

gcacgcaaag ctacggcaaa caaatggaat tctattacat tatgaattac aagttccttg 60
 catggcatac atcaaggaaa actgggaagt tgttgatgt ggattgattt gccacagcct 120
 tatatagaca aaccaaattgc ttaatatcaa cacaacacg tgtacagaaa agaaaccact 180
 cttcaagaaa acagaaaata agaaaaacta acatattgga agaggtgccc cattccactc 240
 cccaaggcat tccaaaagtg gatcaatgat cttcccttgg cacaagcag tgaacacttt 300
 gtcacactct tcacccggtg agataaccct ttcaccagtt agcaatgctg tccccaactc 360
 ctctctcaca aacttgtaca aggggtaaga cctgcattcc ttgatcttgt ttggaattgc 420
 acattgggtca ttctcatatg caactcttgc accttccact tccttaggca aaagggtctt 480
 caactcttcc tcaaatgttg caatcttttg gaag 514

<210> 29384

<211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400014a03d1

<400> 29384

aaatatgaaa aacttaatta aacccaaaag aaaaatatat acagggatgt gcagtcacac 60
 aatacataca gagaaagtaa tttttacttc ggcatgaatc attatatctt cacaatcttg 120
 tcaattactg gttcaacgaa ggcttctaaa tcatccaggt cattcttgag ttcttcaacc 180
 ttgtgtatga attcttcagt taactgagca tcatgtgctg cctcttttga tgcacgttct 240
 acaaccaaag ctgcttttct tagtttacca ttctcaggaa gcattctctgc tacatcttca 300
 gatacctttt ctgctaccgt tgccactttt tctaccactt ttgccactgc ttcagcctct 360
 tcaaccacaa actctgcctc cgcttgtatt atctgtagtt ttcgccagta agatttccag 420
 aaaggtagca agagagaaag taccatgccc aaaacccatc ttaaccaatg agggagata 480
 gtgaagaatt tagaagcagg tgcaggagct tctggttgag ccttcacatn ctttattctt 540
 ttgga 545

<210> 29385
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400014a06d1

<400> 29385

aacaaaataa actgaaacta gaccatttca atgtagatac ggtataaata cttcacaatc 60
 aaagactgga tgctaggaag tttaactagt gcatgatagt tataagctct ggtaacaaaa 120
 aagtaactgc tgttgacaga aaaaggatgg aaatactgaa acaaacaaag ggaagtttca 180
 ccaccctttc tacacaagtc tcaactggaa agttgaagca aatatccact cacaaatctt 240
 tcacgaagac gatcagttaa tgagacgccg gacgagtgac ccttggcctc accggagtct 300
 ttgaaggact cacccttatt ggctgggtcc ccaagagcat ccactacag tttagtgcaa 360
 taatagcact ttcagccatt gcaaattcca caaaagcaat tcgagttgaa tgcacgtggg 420

cccccaagag cctcaggcgc ataacctcgc cacaagctga ttcaaaaaaa ttcttcactt 480
 cagcttgaga aacctttnta tcaatatttg gacaatagac agtccgggca caca 534

<210> 29386
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014a08d1

<400> 29386

ataaagttag taaaaactct aattaatcat aaccatcaaa ggctataaca aagcatgcat 60
 gctgcacctt tactaaagt gttcagtatt tgtacacatc ggtggacact agacaagaaa 120
 acgaatggtc attagagagt ggaatctttg aggcttttct ccttattgca acccttggtg 180
 aacttgtttc atggaacaac ttttttccat aatatatttc tatctatacc ttcgctggtg 240
 ttctttatat aaaggggact atgcgggaaa cttaaagat aagaataaga tcgattgatt 300
 acaaaaagga catatgagac taagagtagc aaaagagcta ccgaaagaca agtaatttac 360
 cagagaaaaa gcaaaggcaa aagttcaatc ccagtactgt gcacatatta tattctttat 420
 ttaccacctt tgtgcttttc gcagaccttg gacaagaagg aaaggaaaac gatgatcaga 480
 gcaacccccg cat 493

<210> 29387
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014a10d1

<400> 29387

aaataaaaga tcaaaggttg aatttgatcc ttaaatttat atcaagtgc atgtttttca 60
 aaatttattt ccatatataa ttacagttca atagaaaatg taaagataaa ttcatttaaa 120
 aaaatgacaa cccgacatta aatcttgcta tatgtatatt ttgatgttgc cctatgcaag 180
 actatgtgat cttttaaatg gaaaataatg gatcatcatc atctaaagggt tgctaaaagc 240
 tttggaatca aataatttga gacaatgcgg tttgtcttct ccgtaggatg aaaggcatcc 300
 caaacacgt acttttcggc gtctgtgcat gtaagtggat tcttgtcact gcacaagtag 360

ctcatttcaa atgttctgt cgaacaacac gccttctcta caacctcaaa tccatatgtg 420
 gaaggttttg taatgatatc actgaagatg gaatatgcat ttgccgacaa agctttcaat 480
 tgtggaaggt ccctattaag cttcgttatc acattctcca acttc 525

<210> 29388
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014a11d1

<400> 29388

agtcacaatc ttcaatggat tgatgaacaa tatgattttg atttcacatt ataaacattg 60
 acaaaactaaa aagtacagtt ttgccaagct tataccagaa acatccaaga acctatagaa 120
 agatagcaga aaaataattc tacaaggggg aatcaaccac tgagcatttt acaacaataa 180
 cttattgtat caccatgctc ccaatcttaa tattttatct gtgtgtatca catggaaaag 240
 taaattaatc taccagtata cttgtttctg atctgctctg tggcttgttt ggtaattaca 300
 tggccctatg tagaccttac ggctacatag atgatgtggt ggtatcattg acaaggatac 360
 tctgtttcct ctatatattg tgttcttttt atgttcaaaa ttttcaacct ccacttttgg 420
 agctttatgg taataaatga acattatgga aaatgaatat atgtatataa tggctcaatt 480
 tattcaaaac ttcaattctt tttagc 506

<210> 29389
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014b01d1

<400> 29389

gtcacacttc ttgtaagcat ttaagtaaaa tactgattag atcaagccat aagcacacta 60
 gttattttgc aaacaagtag ttcataggca tattacagat tacagagtca agcttattta 120
 ttgatttcat ttaaaattac taaggaatta cttctccatc cagaaacggg ttaaagtggg 180
 gtgaaaacgt cttcaccttt gctttgagtt ccctcagtcc tottaaattct tccatccata 240
 tactgtaact tgagttctta gcaagaacat cttcagacac ctccttatta tcaataagtt 300

ccatagcata cttctcaaatt ttctcaatgt tatcccacag cacagccaac tttgttgtgt 360
 cactctcact tctaactacta ttcagccagt cccttgcttg ctccaccctt gcccaaaagc 420
 atgaatcttg ggtcaaactt gcaaacttgc tctctctctc attat 465

<210> 29390
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014b03d1
 <400> 29390

ataatacact gattgcaaca tacattcaac ttatccaaac aaacaggttc ctataaagat 60
 tacagactcc acaattacta atattcaagg tagcttcata ggggtattata gtagaaacaa 120
 atgtaacaca agcaaaagac caggaactat tctgggactt gtaatcatag acaacatctt 180
 gaatagcagt taaccatcaa aaccagcat tcagtcattt atatcataat ttctctttcc 240
 acaccctcat aatatctcca gcaacttcac cttagtaaac aaaacgaagt caacagttcc 300
 aataccaact agcacctgct cctggatttt tccatggccc tgggagctaa gccaatagca 360
 tcagaaccct tcatgatttt cagtcgtttg catgtgtcga tgaacatatt ccatggtaca 420
 tcttcaacaa gcatccagtc accatcttta tcttcataag tgagtacata 470

<210> 29391
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014b05d1
 <400> 29391

ccatcgtaca tccagcatta tataaacaca ggctttttta gttaattata catttttctt 60
 tagagaacat taaattacac ataagtatag tatatcagta tatggtatat tctatgccat 120
 accaagcaac caaatttcaa aattgactct ccagctctgc ttatcttgct ctggaaagct 180
 gtatggcttc ttgatcaaga gtagactcat cattccaaac aaattgggtga gtcatgagt 240
 agaattcttg attcctagcc tcttcaagtt gctgccagtc agcccatcta tctgccaagc 300
 caactccctg cagcattttc accacctctg acatgggttg acgatcctcg ggatagcctt 360

gggtgcaaag caatgcaacc tgtagaatcg tctcaacttc ctttggatca taactctcca 420
aatttctatc aacaatgtcc tgcaaccttt tctcctcagc agctttttca cataatcaa 479

<210> 29392
<211> 356
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400014b06d1
<400> 29392

cgaaagccag gccattatta actggaacaa gtttaggccca aatccacaac actactaaag 60
ggaggttaatt ttaaaaaccc caggaggggg atccaaaaaa gctccagaca attaacttat 120
gggagtttac ataaggaaat acctaaggta aggacacatt agcaaaaaag ggggccacaa 180
taataggaga agttttaagg ggagcaacgg gaattacggg gctcaatatg gaaggcaccc 240
aatctggaaa aagggccctt atttttttcc acttttttgg agcccaaaac ctccaaagct 300
tcccttgggg gggccctggg tttaaaactc cttaagggcc tttgcccttt cctttt 356

<210> 29393
<211> 505
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400014b08d1
<400> 29393

agacagcttg acctcacct catcagcctt attagcttct tcttgctctc tttccccct 60
ctcaaattct tcttggcact tgtttaacaa taatctcttg aaagttatct tttcattgtc 120
ttgactgaga tcaggtaaca cagctgccag atgaaaacag aaattggcat acatttcaca 180
gaaggtaggt tccatcaagg ccttctcaaa gatttgcgag atgacaccat tgagagtga 240
cacattgtca atattaactg ctctaacctg atcaaaaagc ttctcaaaat tctgaggagt 300
taacttgttt aatataccct tcaattgect ctgctttgcc tgttctcat ctgtcacttt 360
accacctca tatttctttt cagctttgtg catcatctgt aaaggagttt gaggagtaga 420
cggagatgga attaaacccc tctgctggaa gctattagtg cgctgccacc tttctccatc 480
aggggctatt tcttgattcc tccct 505

<210> 29394
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400014b10d1

<400> 29394

gacgaaaatt tgcttttagat tcctagtgtc aagaatttat gccttatata cagcaaagaa 60
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 ggtgcgaaga caaatccttc aaattgcaga cttgaccctt tcgttcacatca agctaccagc 180
 ttatagaact tcagaggatt tgcaacagca tttgttacct tggaaggaca gccgaaagtt 240
 cccgcacaat aaaatactag cagttgttct gtacaggctg aagttcctga aacacaagtc 300
 ttgatagttt tccatggcac ttccatcaca cagcataact gaaaaagtta ttatcactaa 360
 tgctttctaa gatactttcc tacagccata gttttgagct tcaaactgag aggcaagggg 420
 gcttacgtca tgtgggggac ataaataaaa gggctggaaa cagttatttt agcctatttt 480
 ttcttgactt cccctgcccc aagctcaaca ggaagctgta natatatgtt cata 534

<210> 29395
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014b11d1

<400> 29395

agggaaaagt cgtccaatta cttttgagta aacaactcac gcacgcccta aacaaacaaa 60
 aagcatcatc attttttgca ggactcggca aagcccagca ttgttaaagc aactattggc 120
 catttcagct tcaactactat taaaaatata cacacaccac actctaactt tttagaaggt 180
 cccacagccc actacaaaaa ctaagcccca ctataaaagc gcctacatca tgggtccacta 240
 cccccacca tttgacacta gaaaagaagc gcatatcaat tgaacttttg acaatgtctt 300
 cctctctact tgaaatacgg caagacatga tataggggtt tgcttgtctt ttccaaggca 360
 ttgatatcga accctgtatt gacaaaagct gaaagaaagg caaaaaagga agaattatgg 420
 catctgactt tgattgcaac ttgatgcttg ccaatgactt atttat 466

<210> 29396
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014b12d1

<400> 29396

aacatctagc agaagcattt ctgcttagcc tctccaattt cacgttacaa gttgttcaca 60
 agtactacta atccaactaa gtgaaaatgt tctaattaca accaaaagcc gaagaagaaa 120
 agactttttac aatatgctag taatagtgac gaggcacaag aaagactctt cttcttaaga 180
 ggaggatgag aaggtgtcaa tgatggttgt gtggagtggg tcaactcaagt ggggtggccca 240
 gttgttgagc gggcccttgc cgttggcggc ggcttggact gcaaagccca agaagcccac 300
 catggcaaga cgggcgtgct tgatctccgc caattgaagg gtggctttct tctctgggtc 360
 tgaggccagg cccaatgggt cgaagtaact gccacctgtg tacaacctct tctctgggtc 420
 gagctctgca ttcctctgga actctatgta gccaattacg agtacctcga tccagatcag 480
 tgtggtga 488

<210> 29397
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014c02d1

<400> 29397

agagacaaaa gtgtaggttt attagaaaac catctcaaaa ccgtgcatca cttcaagttc 60
 agagattttac aatacccatt agcaggccaa atatatatga catttttgga acaaccccat 120
 tttcaagcat tgatacaata cagagtaaag aaaagggaaa agaaaaaaga aaaaattaag 180
 gggattgatc atatgatcat gatcatgtgg tggagtctaa aatgaccttg gctttgccac 240
 aatggtggaa tgcttgagta tgtgcaagct aaattgccct cttttctcac tagtgtcaat 300
 ctgtgactgg ccagggggag gcaagagctc aaagttttgg accaaacgtc ccaaagtgat 360
 gccaaagaatt ggcaatgcaa gaatgattcc agggcagctt cttctgcaa caccaaaggg 420
 aaggtaccta aagtcattgc cattggcttt aacaagcgac 460

<210> 29398
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014c03d1

<400> 29398

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cacacaacat aaagaaacca acaaatgctc ttaactcttg accgaaaatc ctagtctcta 120
attttccagt cccatgacaa cattttcaat ccattgataa gaacaaaaaa tcatcgttgg 180
gaacacaata ttttcccaaa catttttttt cgctgtcaca ggacgagctt cctttcacct 240
catctatttc cgcaatgcct cacaaacaaa cattatttat cgttagcctc gtattaacaa 300
catacatatg gggttttaac acaagctggt gtgcaaaaac cagaaagtat ggccttacct 360
aaccttcaga ggacctgtat ttgctgggtt ctgaaagaat cttgcaactg gcatcccatc 420
agcatcctcg tttcctgctt ttcctgctct ccaagaacga tcttttttcc tctgtggctt 480
tttat 485
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<210> 29399
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014c05d1

<400> 29399

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aacaaacatt aaaatatctc aaataagcag tcgtagtctg aactttgaaa cttacaaatc 60
gcatgcacct cacaggatg gtacaataat aaccatgatc agagcaacaa tgtacatata 120
taagcctcac tcacttttac atatgcatgg tccaacagt cacaacaaa ctgagcacct 180
tcaaatttgg ggaagcagaa aagggaggca aagaatacaa agagtcaaga aatataaaga 240
gggggagaaa aaaaaaaca tataaaacgg agcagctatg cttcaaagac aattaaaatg 300
aaatcatcat agaagcttgt cggcacactt cgccctcaat tcacctcagc cattttctct 360
cttgaggagg atgtacattg gttcctttgg cac 393
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<210> 29400
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014c06d1

<400> 29400

aaattaaaat ttataaaaat tttatttccc acgagaccta gtacaatata tagtaacaca 60
 ataaatacaa gagattctgc aaactgaaaa agggattctt actaaagcaa actcaaacia 120
 gaacaacttc cactcatttg gcatctaccg tagtaacaca agatcaaaag cagcttctct 180
 gatagaacac acgtacgtat gattcaacat ctttcacagt agtgggttcat ttctaacagc 240
 tagctattgc aacttaaaaat aattgcaatg cttctgcaaa gtgctaactt tttttccccc 300
 ccttctttat ggatatgaca atgtgatcag aatgaaacia taaccaatcc attgaatttg 360
 aatctgattt tgggtttgga tcgataccac cattcttcat ctcaggaaag gacaagaaat 420
 aggccaaagc ctactaatta agcgcttaaa actgcattag tggctgggtt aagtgtgatg 480
 ttagtaacat cagctt 496

<210> 29401
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014c07d1

<400> 29401

acaggaactt ccttgcagct tttatgggta aaaaagtaca tgattgtaag accaagattt 60
 ttatttaaaa aaaatacaaa atatatcggg ctaaatttta gatacacata ttatatacaa 120
 gaagaagaag aaaagaacac attgatagga acatcattca ctagtcttcc acgcttctcg 180
 caagagctca tatcgtacaa ccttgcggcc tcccttaact agttccttgg acaaaagtga 240
 tgagtcattc atgccaagag cagaaagtgg tgaatccaat tcatcaagtt catcatcact 300
 ggtatataat tttttgagca caaatgaccc acttctcagt gaagttttgg ttcccacttc 360
 ttgtagcatg cccacaactg aagaagctgg aggtggttca tagaacgtgg aaccagcaga 420
 gcatggaaag cttgtaatgg cccctta 447

<210> 29402
<211> 574
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014c09d1

<400> 29402

ggaaaacaat ttataatttg ttcacacatt cacaatattt gcaacatttg atagaacaaa 60
attaattggt gatcgatta gaatagaata tattatcaaa cgcgattcaa actacattta 120
aggtacttga aaaatattaa cacccttca cttccaggaa ttgaatacat cagaggcatt 180
caattactgc cattggccat gtgaattatt ctaagatcac gagtgaacgg taggtagctg 240
ttcaagcaaa gccatcaatc aactaataga gcgagaaaaa cagaatgaaa ctaacggtca 300
acatacacta tgcacatctt gacagcttct gaacctttaa tttgtttcac tcaaaagata 360
gaaaacaaac acatgtacat agtatctttt ccttttcccc tgtatgtgaa ggaatacaat 420
agaaggtgac agaacaaata cacctcgcca tgaatctaag acatcctagc aaaccctgt 480
tgtaaaattt cccaagcct tcaatataga gctggttgct catcgaatgt aggttcatcg 540
atatctggtc caaaatcatt tcaacccgag agag 574

<210> 29403
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014c10d1

<400> 29403

ataggggaaa acaagttttc ttgtgatgta tttagatcta tttcaattac ccgttggttac 60
gttgtggatc ttttcaagaa gcaacgatca ctatcaaact attttaataa tgtagtatca 120
ggtattttat gtcaaaaatc ttttcaattt acaatgcata tcaaaattat atcccaaact 180
aaaactttta tttattttatt tattagctgt ttaaataatg tatgggttaga ttgtatttca 240
taaactaact tgaattttta attaagctgt acatgtaagc cagtcaattt taatttttca 300
ttttttgaag ataaatagat gacctatcca agaaataaca aaggagggtta acggttataa 360
ggaaaacaga aaaaattgaa aacatgttcc acaaaaaatg atcgatttag gattacgttt 420
ttgtccatat ccattctgca acttttacgt tggctttttc actcttatta cattaatcca 480

ttctgcaact tttactttgg cttttttctc gag

513

<210> 29404
<211> 512
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014c11d1

<400> 29404

agtgattaac agaaatgtga ctaaattgca ggtacttgtc tgaagatagc atatatcttt 60
ttctaaaagc agataaaaat agacaatgaa ttgcaggttt aacagattaa gcagctgctc 120
caacagctac accacccttg agcctggatt taccatacag ggtttcttca aaccggatta 180
tctcattctt ggaccataa gcaacttgag ttctgtcatc aatgttactg atgactttgt 240
ctagcacaga ctgatgacca tcaactgctgt aacctccagc tttttcaatc aagaacccca 300
aaggagctac ctcaaacaac agtctcagtt tggctttggc tgatggtgat gacacgttgg 360
tgaagattcc tttttctttt acaataatct ggttgacgtc tggcaccatt cctccagtgt 420
atctcaatgt gtacttttca ttgacatagt aatcgatcaa cttagcataa tcgggggttgt 480
cagatgtggc tctcaaattc ctggggagaa ca 512

<210> 29405
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014c12d1

<400> 29405

aaaattataa atagtgatgt catcaagggt tcatatttca gcagaatgat cttgacataa 60
aagttaacat ggctaactctg aatattcctg tggtaacgcc aacacctaca atgatgatgg 120
acttgacata atatacagaa ggatagcatt tatgctccaa gtgacttaca ttggcttcct 180
caattacatt gttgaggttt tgctaagaag ttgaaaatac aagcacttaa tagtttacag 240
agccacattt ccttctaatt tgcccttgta ttctgtgaag tactccaaca ttactaagct 300
tcaccatgga tgcagcaaaa tcattataga aggaatattg gtcggtgctg taaaaataag 360
ccatagaaga agtccttcga tccgaaagta gtgccatgct agattctaga agccctttgt 420

tggataagag atttctataa tactcattgt cgaagggtcaa agtagtatta gaatca 476

<210> 29406
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014d01d1

<400> 29406

aacaaaaaaa tttgggtcaa aaaaatttgg ctggccacca ttttgggtgg tgaaaaaccc 60
 ccccttttgg aaagggaagg gccaattttt tggggggggc ccccaccctt ttacgtacgg 120
 gcctcaataa aggaaaaatg gtccagggga cacacctttc acaatgggga caacttggac 180
 acccgttggg gttatcccc ccaagcgcaa tggttgttta acctgtcccg aacccccccc 240
 gattttattt ttgggagcgc tctttgaaac aaaaatttgg gccccccctt ctcggggggt 300
 ttataacccc cttaccccg ggaaaacccc tccccggg 338

<210> 29407
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014d05d1

<400> 29407

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 cttttcttct ttcttctctt ccttggcagg tccaactgat attatatcca cttttcttac 120
 tttcttcagc ttcttacta ttttctactgt gtccatttga ccaatcactg tcaacttctg 180
 cttcatggag ttcaaggcct tggcattgct actactcatc ttcttcttgg catccttatt 240
 agccaaagcc tgaaccaaga aatcggtccag catcacaagc gccttgatgt acagattcgg 300
 aaccttctca gactcgggtga cacgcatgac cttctcaagc tgtttggtta tcttgtcaaa 360
 gctctcttgc aaactcacc agtcattgat cttgatggca ttcttcatct ggtcaacagt 420
 ggataccatc tctcgaatc gcttatcttt cgccgacctc acaaacgcgc tttggccatc 480
 ggaatcatca ct 492

<210> 29408
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014d10d1

<400> 29408

aagcagaaag aaaatTTTat ttatgacctc tggggaaaga gaagggagta tcatagttag 60
 cattaactc ttactagat actttgcaag caaatattgg atcctaaca agtgaattag 120
 gttggcaagc cctgaagtgt attattattt tgagtataca acatgtttta cgaactttgt 180
 cacgtacaat acttgactaa tttccctgca gtgcaccact gtctcggagg gtgccgtgac 240
 cataccatcc cttgaagtta acctaagata tcttctctt caagagatga gtacttgagt 300
 atggctgcaa caatcctatc tttgtctctg gttgggaatg cttccaacag gacaccatct 360
 ttgtagaagt ggaaaagagg cacggccctg attctaagtc ggtcagcaac ctcggttgac 420
 tcatcgact catccattac attatgctt aggaagatta ccggagcttc atgatca 477

<210> 29409
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014d11d1

<400> 29409

gaattattca taaactcatg cagataaata catcaaggat gtgtccaaaa gacaactatc 60
 ctgattatga atatcctaaa gtaaacaatc aaattacaag ataaataaaa aaaataaaat 120
 tatgaaacaa gcaacatata ttgggaaggc agtgtccaca aattcaaaca gcaggaata 180
 tgaacatccc acaatgcaat cgacgccatc ccaaactaac acaactcatt ttccccacc 240
 aaaagaaaa atggctcagg aatcatatag catctatggg gtctactttc cgactaccga 300
 ccgactcaaa atatgaggcc ctcaaacaga ctcaatcctt ttattatatt tatgctgcat 360
 agaagaaatg tggatttggg tgggtgtggg acaaaagcaa agaaacaaat aaattgctga 420
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 aattaccagc atctctgctg taaaac 506

<210> 29410
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014e03d1

<400> 29410

ggatgctatt gagggctgtt attgagctca ataaccctcg tgtgagaatc aacgcacccc 60
 tcatcataac tattacttac agttcaaagt gctcttaagt tcatgaagga agataattct 120
 gacaacagaa atagtcttaa atataaaaca agcaagtata tagcataggc aaatctacaa 180
 ggaagatctt tgattaacaa accagccttg gattaatcca catgggggaa ctttgattca 240
 tattttatga gctcaacaaa atcattcaa 269

<210> 29411
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014e04d1

<400> 29411

gtaataataa atacatcttt attttctatt ttcataata atagacatac cacctatttt 60
 ccaagaagta cattttcatt tgtcctcttc cccaacctca cttagccact atttacatat 120
 cctctacccc caaaacttag gtataatttt accttagaaa ccaaacccta taagtcctta 180
 tcaaacatca tcaccttaac taaggttgaa aagagccttg cttattttgc tacatgccat 240
 tcttttgatc actgcacat caactatttc ataggtgtct tatttctacc tcttcagcct 300
 tttccagttc tattggactt tctatatata caaaacgcta gaaatcacta cagaaaaaaaa 360
 gaaagaagga cggtgacact tcccaatacc tgccttagga aagctcgagt attggatttt 420
 gatgaaacga cgtcgaaaca ctgcgattag tatagtagta tttttatact acctaagag 479

<210> 29412
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014e05d1

<400> 29412

aagaaaatat acattaagct tatgtggcgc acacacatca attggacaag agaaccgggc 60
 cgagcaattht aaaaatcccc cttcactaag ctatgaaggg acacatggaa ttttaggttt 120
 acccttcccc ctcttgaaca agagaacatc catgacatgt tgacaacctc aagctgcaac 180
 actatacatc aattataatc tcagtcattt tctggttcaa tccaaatctt tgggctggta 240
 ggagaataca ataaataaca tgatacaaaa aaaaaatttg cccctcaagc ctcgtaatga 300
 aaaatacaac ccaaaacact tgaatctatt gcgagaaatt tactagcaca aaagtggaca 360
 acccagcaat ttaagttgaa gaaatggaag tctgcataac aaaggcagat gaaaaagaag 420
 tgacctctgc aagctgaaga agacaaggaa gcacgcataa aattca 466

<210> 29413
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014e06d1
 <400> 29413

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 ccgcgtcaca agtaactttt gactcttttg gtacatctcc tacatctata ctgcacatat 120
 caccactaga gttgtttctca tcacatttcc atgcattcct cttgaaccat ggtcgggtgta 180
 ttttctgctg tctaaagtac ctcgttccca aatcatttga gtcacccttc aatcgttttac 240
 ttatgtgttt attgtcctca aacagaagggt tagagtcttc aagggttaaca ccagttgggc 300
 tgggaatcat atcatcagag cgacaattaa ccataccgct ggtatcccc tgctcaactt 360
 cagcaggctg atccattatc atagcattag tattagaagg ttgacaatct ttgttgctcc 420
 gtggataccg gggtagtgga ggaaaaggg 449

<210> 29414
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014e08d1
 <400> 29414

ggaaacgcat gtttgaaact taattgtcac cggtacaaat cagaccaaga atggtttctt 60

tcagtactta taccaatctt gatttaagtc ttatttaata gtaagtttgt tcagaagcat 120
gagcatcaca agccaagtga ccaaccacac aaggttttota ttattaacgt tttctcctct 180
aggagatata acaaattaaa agttggtaaa cttcttttct ttcaagctat ccacagtctc 240
cttgaggctc acttccaaag gagtatatc aatccccaag ctctttgcct tttctttgga 300
tacctgatat attggcacat atgggttatc atctgcacac ttctctggaa gtagtaatgt 360
cgggtacaaa tcacgtaaaa tcttcacaat ttctgagtag tgtgccactc tctccaccaa 420
acaatacctt ccattagctg aagcattctc atatgctaga atatgggcat ttgcaacatc 480
tttcacattg acccaaccaa aagatgcatt tggaaat 517

<210> 29415
<211> 441
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400014e09d1
<400> 29415

gttccttcaa aaggttttat ggctttataa ttatgattcc ccattaagtt tgtatggatg 60
ctcaaaaccc ccatttgac cccatgaatt tgattacca gagggggaat gaaatcagtt 120
ttgatggcca caaacaattg gatttaccag agggagaatg aacatggctc ctaaacaatt 180
tttttatccc ccaagctttt gaacccaaca tccattccta aataaccttt aactacaaac 240
cctactatac atcccaaagg taaaagagct cctatcatgt tgggatggcc cataagaatc 300
aattttaccc cataaaatcg ggggatcccc taaaaaaggt ggaaccacct ttttgggggt 360
tttaccttcc ccatgaaaaa ttaatggatt atgttttacc ataaagctac atgactactc 420
aagagacctt tttataggga t 441

<210> 29416
<211> 517
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400014e10d1
<400> 29416

gcctcaaaaa accagcaact agaccaacca attcttaatt ttcacaactt ccattacaaa 60

cttcgtactc ttgtcaacta aatcatacac aagatgaata aacaacacat tctgagcacc 120
 taacacacat gcacgtacat cagcatggca caaatctatc cataagcaag cacactgttg 180
 cctctgacat gggttcatga gtgtctctct gaacagccat cataaccttg tgagcctcct 240
 tcttcacaac ttgttcttct tctgaccctt ctttgccctt ggagaagagg ctctttcggg 300
 ccataacaac tttctctctg agctttgtca gctccccctt ccaccctca accatactca 360
 actattaatt agtcactccc gctcacaaaa actatgtaat ctaagaacct cttttgtttc 420
 ttgagctctc taaatctctt caatttatgt tttaaatggg gtacatgggt ggagtgaaac 480
 tggtcaagtt tatatagaaa atagacaggc gaatgag 517

<210> 29417
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014e11d1
 <400> 29417

aaaagacaag catagacaat cactacctgt aactaatgga tactctgtga cacttacact 60
 aacacgaaca gaagggcata tgacccttaa atggggacag cccatatgac aagtgccgac 120
 tgaatccagt tccgtataca cagcatatgt atatatagac cgatatgtac ataggacacc 180
 agtgagtcaa cgactacaat tgagatacca ctataggag gattgaaaca gaactgaaaa 240
 ccaccctat gtccttgact gccgactggg aatagacaag tcaccctcac tgaaccagtg 300
 ggcttcatcg gccataacgg ctga 324

<210> 29418
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014e12d1
 <400> 29418

gagagcaagt aggatcctat atgagctgtg tgattctgta tatgtacaaa gaaaactatt 60
 tcaactaata ttatacaaga agtattggat ttatatgata ttctaagaaa aaattggaga 120
 tatgggcctt ctccgagact catagcaata gatagatttc gaaccaattc cctccaacta 180

actgtaaccg ttatcttcgg gtaggtatat ggttgcattc ctgaaaccag cattacaatc 240
 tgagtcctga tatgagtggg ctcatgtgac tgtctgcatg ggttgaacgg aagtcacag 300
 gtggactaat cggtagaatt tcaatagagc acagggctgt ttagataggg acttgactat 360
 gttgaatgtg atgaacaatg tatagtccta gtcacgggca ctgcttccaa aagttgagga 420
 gagagggact gatccaggca tctgttgggg ggataggtca acactacggg catcaacatg 480

<210> 29419
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014f03d1

<400> 29419

aatatcgcaa tcgctgaaca atgttattta acaaaaggat cgaccacaaa taaaaacaac 60
 ccaactccaa tcatcatcac cagtccagca aaatacattc aaaagctatc taaaaatttg 120
 aggaaccac agtggcgcat tagaaaccat gaccatagaa tttatgagag aaatattatg 180
 ggcaccgtgc ctctccaaca atccccaaaa cgttgcttag gcttcagcaa acccaagctc 240
 agaaagcttt tggtagcct cagcgtaatc agcgaagaag gcatcttcgt ccgatgcata 300
 tttctcaaca agagggcgga acacagggtc agacaaaagt gccttgtcag aaggtagctg 360
 aaggaggcct tctttctcac cactcaacaa ctcttgaag tatgagttgt cgaaaataag 420
 aggattagag gtccaggac cctcgaatcc agaacgctcc ttgtgcgcag ctccaatagt 480
 gtgaccccca gacagagcaa cgatatctcg gactaagcc ccatagcttt gccaaacaca 540

<210> 29420
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014f04d1

<400> 29420

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 gcaatactgg cattaaagaa gctgcctttt gttttcttac atgggattga ggagttactt 120
 gtagaaagaa caatggttgg cagtaggtat actacagacg cagcctagac atttgaatt 180

ttctgcattt tcacgcttta cgcggtatgac tctagcaaaa tacgtgattt acaatccacc 240
 tagtacaaca agctaacatt ctgactcatc ataacaagca cttgatatac accgaaaaaa 300
 gaaacaagct cccttattat taaattaaaa agctgacaaa ttgggggggtc aactgatgaa 360
 ttagatccat tccttgggggt tgatgcatgc gtccaagagt ttccattctt cgcttccttc 420
 ttccgggtta tgatcgtatt cccaccgagc agtcagtggg agag 464

<210> 29421
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014f05d1

<400> 29421

aaaaaaaaa aaaaaaaaaa attttatata ggccgatttt accccacaaa aaaaaaagg 60
 gggactgttt tttccaaaac caaatTTTTa acaaaaaaaa aaatttgaaa agggaaaaac 120
 acaggggaaa atgaaaagac ccattTTTTa acaaaagggtg ctaagattaa ccccaacctt 180
 tgggtgggag aaaaaacctt agggaaaaaa tgagggtttt tacgacccaa aaggggggaa 240
 cttttggaaa aaaaaatttt ttgcacaagg ggttttaacc cc 282

<210> 29422
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400014f07d1

<400> 29422

ggaaattcat gtttgaaact taattgtcac cggtacaaat gagaccaaga atggtttctt 60
 tcagtactta taccaatctt gatttaaggc ttatttaata gtaagtttgt tcagaagcat 120
 gagcatgaca agccagggtga ccaaccacac aaggtttcta ttattaacgt tttctcctat 180
 aggagatatc acaaattaaa agttggtaaa cttcttttct ttcaagctat ccacagtctc 240
 cttgaggctc actttcaaag gagtatattc aatccccaag ctctttgcct tttctttgga 300
 tacctgatat attggcacat atgggttatt atctgcacac ttctgtggaa gtagtaatgt 360
 cgggtacaaa tgacgtaaaa gcttcacaat ttctgagtag tgtgccactc ttttcaccaa 420

acaatacctt ccattagctg atgcattctt atttgctaga atatgggcat atgcaacatg 480
cttcacattg acccatcgca aagatgc 507

<210> 29423
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014f08d1

<400> 29423

atcaacttaa acaaagttca agcactagaa ctttacatta tatatagagt aaagatgggc 60
catatataca atataaacat aaccaaacac ttcaaagcta aaacccaaaac tcactattta 120
tacaagggga attcgctcga caacttaaga atttatttgg caactagggc ctttatacta 180
ctcagtcatc cttaagctta tatacattgg caatggaatc ttctgtctcc cacaggaaag 240
atccaaaagc aacagcttcc aagactaggc tcttcaagct agaaaatgaa gtcaaaataa 300
catcatcatt ctcaaccgaa cccgattcct tgggtggtaaa aagagcacia ctataacttc 360
caaccaaatt cacaggcttc ttagacctca atctggcaca tttctgcaat gatccgggat 420
gaaagctcat aacataacat tt 442

<210> 29424
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014f10d1

<400> 29424

gcaatgtcaa ttttcctttc accaaagtgt gcaaaattta agttacatta tggacaagta 60
aggtccacac ataagctcct attcaaaata caaaaaagag agaaaaaaaa aataatctaa 120
agttaatttt ccgaagaaag ttggtgagta cacaaaacac aaccctttc aatttctctg 180
ttctcaatta acgacctatt ttgcattgc agcctctatt attattcatc cttttctaata 240
ctgtaccact ttaagctttt ggagcactaa tgactaccct taactctctc gaggcttcac 300
ccttttgcac ctcaatgtcg ttgtttgttt cagcatcttc taccacagtc tccaacctcc 360
cattttctga acaacacttc atcacctcca tggttgtctc tgctctttc tctttgctct 420

ccttggtgttt gcccataaga acggagtaaa gtcccattac tatgagaata gcaccaacg 479

<210> 29425
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400014f12d1
 <400> 29425

gtaaataaag ctcggtatcat aattaatata tccgccttaa gtgaaagcac aaatctgagt 60
 ttattagcag accaaagatc ctatggtggc tctttctccc tcaactacaca aactatacta 120
 tacagcaagt tgcaaattatt gtacaagaaa gcaataggga ctgcagatga acttccgtat 180
 gaattgaaat ttccatacac attggagggtc agctactgat aaaagagtag gaaattaaaa 240
 catgtgtgtc caatgtgggt tcaacacccc actttctctc aagtctcaac agaagagtgg 300
 tatcgtaact tccacctncc ttcatttagt ctaattgctt tatatatgaa ttacc 355

<210> 29426
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014g02d1
 <400> 29426

gaaaaacaag gggaccttcc aacaattcat gtttcaagtt cgaattataa ttacataat 60
 ttttgcaagc gggggataat agataaagta gagtttataa tgcaagaagc caagaggctt 120
 atgacatgaa acggggaaca gagatgaaac ttgaagggaac cccaaggga agttgaagct 180
 caagggtagg tttcaaaggc tgggacaggg gctttggaac caatgaagac gtttccataa 240
 atcaagccag ccaaaccttc tccaatcaat gggccaaccc agtagatcca gtttgcagcc 300
 aagtttccac tgaccacagc tgggccaat gagccagctg gggttcattga accccccctg 360
 aatgggcctg ctgctaaaat gttggcacc acaacgaacc caatagcaat ggggtgcaatg 420
 ataccaatg accccttttt tgggtctact 450

<210> 29427

<211> 345
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014g03d1

<400> 29427

agggggaatt ttaaattgaa agattaaaat tggcataagc aatacagcaa cagggtacca 60
caccttaatt ttggacaatt taattcctag cagaattatg tcaataagaa cgaacaagta 120
gcgtaggggt gaaatcaaga accatttttt gatgaaatta aaaggacgg cggaagattt 180
gagatgatat agctagcctt ggggtaagt cacaatgacat gaggcaccag ttaattagct 240
tgcttggcct ttttctttct taaattttct ctcaaataa ttggactatt tcaccttata 300
attgggcaat gacctttcaa attacccttc aatttcaaga agcct 345

<210> 29428
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014g05d1

<400> 29428

cagaaaaaat tatttccttt gtagtcttta taccatagtc aacagctgcc aagaaacaga 60
ttacctcttt ctttttttgt tttccttcag ttcgatcca agataagcat ataatgtaaa 120
cacggtaagt ctttctacaa ctaaaccgaa cagtggtagt tgagtttctg atgtttcttg 180
gccgtcctag ttactttcca caatcaccta gtactatggg atcaacatta gaaatacaac 240
ttctcccat gcagagcagg aagtgggaca gtagttataa ttaacacaca caactgctac 300
cgtaaaccgg ttagtgatta caaacaacat tgcgaaagta aattggatca aggtcgtcat 360
atcagtgggt accatcttca agggttgtca tttctatcgg tagtaagcct gctgataagt 420
gggagccaaa acatttccat agccaccata tgcaggagga tagttcatgg gag 473

<210> 29429
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400014g06d1

<400> 29429

ataaatcaac tcgaaactat taatgtataa cacaaccaa taagtttaga tcttgatctg 60
attacaaaga tattaacaaa cctgagatga gaggacacaa tcacactatc tgcgtattac 120
aaatatcaac tgcaaaaagg agaaaggggg gatataaagc ggctacctat acaaccacac 180
agccactcaa agaaaagctg aaggtttagct ccaagttaat tttcttcctt tgcttggtt 240
cttagccgat c 251

<210> 29430
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400014g08d1

<400> 29430

gacagctgaa ttcattttct gcttggtcca ctttagaata atacgttaac attcaattaa 60
agcacatggt acaataacat tccacttggt tggctttttg aagcttggtg gtcttaagaa 120
cttggcctgt ttctccacca agaaaaataa cataactgac gaaagtaaaa tccaattttt 180
tgataaattt taaaaccac gggccttcat gcattgataa catatttgaa caggatcttg 240
aaggatcgt gcaaaaggtc taaatacagc gtgggaaaaa ggtttgcccg acataccctt 300
cagccattgc cctcctcagc ttagattcaa acatctttgg gttctctctc aacacagcag 360
cggcatcgtg attcagtgga tcctcgtaat ttggttcogt gaaaagatga tacaagccat 420
agatgacagt gtttatatta aggacaggtt tccaatcttt ctgtagatg ttgagacaaa 480
catttccttc caagtcaata tttggatgaa tagacttngt cttacactta 530

<210> 29431
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400014g09d1

<400> 29431

acattgtata taaatgattg caccgcacaa gaaaatgatt aaaaatagca agtgaaacaa 60

aaatcgacaca ttaattttcc cctcctgttt ctatcgggtg ccacattttg gcaatctctc 120
 atttcttttt caacactctt cctctgcacc ttcgaattcg tataataaat aaatgaatta 180
 aacaaagaac catttcgaat aaattaccaa aattcctata ttctaaattc agaaaagcgt 240
 aaatcaaaat tttcctcagc gacagcactt ggagcacagt attaggaaaa caacgagaaa 300
 gacaatggaa gaaagcgcta tggccacacc aagaaccacc ttgttgggcc catgatgatg 360
 ctcttcatg tgacggacac tgccaccacc accaccacca tcaccatcat cataatcata 420
 atctccatta ctgccatcat cgcgagaatt agaacgcttc gaaggtggag gagacaccgg 480
 cctnccaact tatcacacgg agcatcttaa gcttatgata acttggagac aaacggac 538

<210> 29432
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014g11d1
 <400> 29432

aaaagacaac aatcagaact gatataaata taattatata aagagtctca attcactcca 60
 aaattctggt atgccccttc actatttccc acacattcct tattcatggt tccttcactc 120
 tctcatcatt gcgcagttca catctccaat acctagctgt catgactcgt gtacattcaa 180
 ttactctgtc aactacagt ttcctcctta ttccaagcac catttgtatt tctcctcttc 240
 taatcacgta tattttccct tggcccaaca cttcccaacc ttctctcttt atatacaagt 300
 taaaggtcta tcatcaatca tttggaaagg aaaaaaaaaat gatgttttct gagacgtggg 360
 aacctatgct cataatcaaa cataatggcg attataaatg aatggactac catatctggt 420
 ttaaaattct gtgtacattt ctcttatacc aattaaata aattcaaata atccctatag 480
 acaaccata gaaaac 496

<210> 29433
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014g12d1
 <400> 29433

aacatacaaa aatgaaaatt tgtgtattct tcttataatt ttattcacaa gcaaaaatga 60
 ttttaactcca cagatatttt tcagccaag ccgcaaaacc aacgaatgaa ttcttgccat 120
 gtcacatca ccacaaccac gtcaccatta atatactoga agaaagtctt gaagctgcta 180
 ctttgggccc caacatgagt cattaaattc catctctcaa gaaattccag ctgtcatcca 240
 ccaaataatta atattatcat cactatttct ttatttttat tattgtccat gcagcgtgtg 300
 tttttgaaat gtcacattca ttaccacggg tgagtgaaga aataaacaca acttgctgtc 360
 gagtttaact ttaaaccctc ttacgtgtca aaatccaatt ggcgtgaaac cctcgagctt 420
 ctgaaggatc tatcaagctt ttcactcaaa gccctcaaga cctgcccacg tgcateccct 480

<210> 29434
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014h01d1
 <400> 29434

gcacatagga tttcagtcct atattagaag tatgcaattc aaatgtgaga ttacaaggg 60
 catggcctct ccaactacaa ctgactagat tttgtagcat agttctccca agttctgaaa 120
 gtattatttt tagcaactct taagacaaga ataagtcggg ccatcggaac ccagttgcag 180
 tcttgcatat caatagatat ttctcactgc acttccccct tttctttagt gcaaagataa 240
 gcagacccaa tgagaatata tgacgataac agcttaatat taaatgttat gcaagtctct 300
 gtacatgcaa aaatgcaatc cccacgggaa cacattacaa aattgcccag gtgagggtc 360
 gagaaataaa atgaacttac aattgttaat tcgtaaatgt aactcttacc cttttttgta 420
 tgggtaaata acttcataca tttacttctt gtatatcaga ctccaagggt gatgggtgta 480
 attatccagt agcaatatct gctaaaagca ttttcaacgt ctcataagtc ataaaacaaa 540
 tacctacacc 550

<210> 29435
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014h02d1

<400> 29435

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catggcctct ccaactacaa ctgactagat tttgtagcat agttctccca agttctgaaa 120
gtattatfff tagcaactct taagacaaga ataagtcggg ccatcggaag ccagttgcag 180
tcttgagat caatagatat ttctcactgc acttccccct tttctttagt gcaaagataa 240
gcagacaaaa tgagaatata tgacgataac agcttaatat taaatgttat gcaagtctct 300
gtacatgcaa aaatgcaatc cccacgggaa cacattacaa aattgcccag gtgaggggtc 360
gagaaataaa atgaacttac aattgttaat tcgtaaagt aactcttacc ctttcttgta 420
tggtgtaaata acttcataca tttacttctt ggatatacaga ctccaagggt gatgggtgtc 480
attatccagt agcaatatct gctaaaagca tttcaacgt ctcataagtc ataatacaaa 540
tacctaca 548

<210> 29436

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400014h03d1

<400> 29436

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tggtctacat cacgataatg aatacagaaa atatcgggta gccattgtaa gcaatgctta 120
gcaatattat taaataccat catgcttgat gaaatcaata gaatcttata ctataggtac 180
atgtgggttat gaagtactct tgctcatcta atcttcaaaa aagcagggtta aatatgcttt 240
gtttctgggtg gtttcaacta gtagtagtac tgtgggttgag ccaattaatg ccaaattggt 300
ggcataatta atatgtgtgc tgattggaag tgcgggtgat gagacagcta gaagaagaga 360
cgaatcctga tgatgctgca tttggttgga atggccttg gacaatgctg ccattgctgc 420
aaagttgcca agccaagttg gaaatfffft gcaaaggaac attttttatt ctgtccacca 480
tgaccttctc cattggctct ctttcttctg gtatcttaca agtcataca 529

<210> 29437

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400014h05d1

<400> 29437

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 ctttttaata aacaaaacac agcttctttt ttagagtga caacaaatac agcttttagtt 120
 ctcaattaat taataacttt tccagactct tcatgatgga aggatggatg ttgctgtgtg 180
 cgtgctagta gtatactttc tttctttttac tgcgcgacaa gtttgctgcc tttgacatcc 240
 acaacaaacc tgtatctttac gtcattcttc tccaaccttt caaaggcttt gttaatggaa 300
 tccatgggta ccatttcaat catcgaactc agacccttct ctttccagaa ctccaacatc 360
 ttctcgggct ccttcatgct cccaatgaag cttcccggtta ttgacttctt ccctagcatg 420
 accatggggc taacaaattg aagaggggtg ttgatgaccc ccatcaagat c 471

<210> 29438

<211> 61

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400014h07d1

<400> 29438

ccctctgctt acattttttt tttttttttg ggaaaaaaaa aatctcccc cccgggggaaa 60
 a 61

<210> 29439

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400014h08d1

<400> 29439

actccaatga acatgacaat ttcatatatt attattatac ttcacaatca gcatttcttt 60
 gttcaagact gataataacc attaaattat tggcattgta acaatcggaa aacgagggaa 120
 aggaatagaa gaaaacaatg aacaacctt gccagttagt tgcaccaacc aacaaggcac 180
 caaccatagt accaatcaaa aggtaaaaag agagagagac caaatcctac taagaaaagc 240

ataactggtc ctttccatcc aaagggagaa aacatgcagg ttttgcctcat ggcttccaca 300
 gaatggttgt gtctgcaatc atggaagtaa ccacgtatgg gtccatggtg gaagctggcc 360
 ttctgtcctc aaaatatccc ttccctgctt tctctgtgtc tctcccaacc ctaacagaag 420
 ctccacgggt tgcaactccc cata 444

<210> 29440
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014h09d1
 <400> 29440

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 tataaataaa attctcagcc aaagaaagga aaaagtccaa cctcaatctc aattcaagcc 120
 tcaacttctt tttcacccga aaacggaaat aaaaaataaa aaaattgaag caactgggtta 180
 gaagcaattg ctcatgttg aaacaaactg aaggaattcg aggctttgtt aacacttggg 240
 aagatcagct ggcggtggaa acagcttctg atttgggagt tttccatcca acacaacca 300
 tgccatctta agaccccagc ttgtgtgcac ttccaagtga caatgcatga accatacccc 360
 tggattatct gctaggaatc tgatagcaac ccatccacca gatgggactc ccactgtgtt 420
 tctctcaatt gggtaagaa gattgaagtt tgcagggtcc ttatttgga 469

<210> 29441
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400014h11d1
 <400> 29441

gaacgagtat aatgtatctc cattgcttca ttacatcctg tgtaacaagc atgtaaacca 60
 gtgcattaga aagcacaaga ttgcttggtt ttcaagtata atatctcaaa atacatcaaa 120
 ctaataaatt ggtcacaatg gtcacccttc cattcttcta tacatcgact tggcactctt 180
 ttttataccg ctagtagtca tcatcttcat ttcttgacct aaagaatctc ctcaactg 240
 cagcggcagc accaagaaac ataaacagaa gaatagtgtc aaatccacct tcaacgccta 300

cagctacact gggacctggt gcaaagaatg aaaatggaga ccatccccag ccaccgtaaa 360
 atggcacacc ataaccatag ccatagccac caactagcgg aggtgccact cgaggattaa 420
 tatagatatt ggctctggaa tatgtgattc ttggtgagga gcgcgga 467

<210> 29442
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015a01d1

<400> 29442

ccagtaatag tattttaatat tataagcaga gattcataat tcagattagc cgaactttat 60
 acagaagcga ccaattacca aacattaaaa aaaaaaaaaa gaagcaacca tgagcttaac 120
 acacccatca cagggtccaaa acacttgaac ttgctgaaag gcaagacatg accactttat 180
 tctaaggatg tttgtttaac acaaaacacc agagggcacg aaaaccatca cagacataat 240
 acataagttt ttagctacac attaatagtt aatcattatt cctaattaag ggctatctct 300
 gcttgaagct tgctttccca acacctaact tgcaagtga ggggttgag gagcagtttg 360
 gtccacattt gcagccatgg ttcttagcgg gcacacccat ttgagcacc tcaaattggg 420
 ccttaacagg ggccactccc atgaccaagg tctcgggtgt ggttga 466

<210> 29443
 <211> 310
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015a02d1

<400> 29443

ccagtaattg tgggggggctt aactaccggg gattaatttt tcaaattccc cggccttttt 60
 tccatagcga acagctacct aacattagtt ataaaaaatt gtatcgccca tgaggtcttc 120
 atatccctct cacgtgcaaa aaaatccaac ttgctgtaag gaaaaacctg accacttcct 180
 ttttaaggacg tttgtgactc acttttgccc gaagtgaac cccctctttt tattcattaa 240
 gcataactgt ttcacacacg ggaagtgttt gtcaagggtg ctaagcaagg gatataactg 300
 tttgcatctt 310

<210> 29444
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015a03d1

<400> 29444

ctgggggaac ccacttaatt ttccccattc attgtacctt aaataatata aatcaacctt 60
 ttggcttggg atgggttaaa aaacccaagg ggtatgggtc actctctctt gtaatgagcc 120
 acaccccaaa gggggtcgcg tgggttgtga acacacgata gaggtggggg taccaaaaaa 180
 gaaaaaatgg ataaaaagct gtttatacaa aaaagggtgaa caccttcttt cccccggaag 240
 taggtgctgg ggtttactgg gcaggcatta aagggttcta ttcttggggc atgaaccaag 300
 gaatctgcct cgaagcgggg ggggggtgcct tcttctgaa aaattcaata atcctaacta 360
 gggagaccct ttttgaaaaa atatgac 387

<210> 29445
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015a06d1

<400> 29445

gataaatatg ccaaccatta taccatagca ttaaaaattt aaaaccagtg taatgtatac 60
 aggtacccca ctaaaaaagt acaaagatag agattatagt catcatttct caagcatcaa 120
 acactttctt cgcaacacgc agatcccggtg acttttcata ctcaagaatg tattacactg 180
 caatcaaagc attccagtcc aggtcgatgc aaaaacttgt acagaagcca atgaaatatg 240
 cacgataaca agacattaag caaagattag agaccctgtt caatgagata atcaccaagc 300
 ctttcaacta ccatgttgca ttgacctgga gtcattgggt catcataaat gccaatgatc 360
 aaggccgcac cgttcttctt cacagtaaca ccaccaggac ctttcttccc tcgaatgaca 420
 gtaccgggtt caccctggat gaccatatat ttgggtgcac cgagatacaa tccaattgga 480
 gcaagtgatc caggctcatt aagtcattca tg 512

<210> 29446

<211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015a08d1

<400> 29446

atctataaaa agcaatacgt tatttgaagc tgaattaagt aggtagtgag agattacatg 60
 atatggacca tgatagcata tgggtgatgg gggccaaaaa aaatgacaag catagtgggtg 120
 ttgtcaatga ctttcatcaa gattaggtga gattatgata aaacttttct cttgatataa 180
 ttgagctcta aattcggttac gaactagtagc aacaaagtcc tacaaaattg gattagtatc 240
 attttttctca aggaaaatca cattattatg ccatgtcttt ataaatagat gatcttcctt 300
 ttactcatgc agactttaac ttagatgatg ttgaagccag atgggaaaga cttctgtgtc 360
 ccacaaacaa cagaggagca t 381

<210> 29447
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015a09d1

<400> 29447

atcacactaa aggatctgat taattgaagg caatatatgc tggacaaccg cgcaccactc 60
 acttggcata tatggaacac atacataatc catatcgcat tacttagtgg cggggcatgt 120
 gttactcatg tctaatagcac aaacatagca ggggcatgaa ggaaaaccac aaaattaaaa 180
 cgaggatcat atagctgata ataataacaa caacacatgc actataaaaa ccacatgcag 240
 tagtggtagc ggcattcttct tcagattggg aacgcgctat tgatggaagg gagagcgctg 300
 atcctgatga tgacgtaacg tgcgaaaacg gttgccttga acgggcacga ccagttgtgt 360
 tcggacctat ctttgccacc ggcgttg 387

<210> 29448
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015b01d1

<400> 29448

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atcggaaaac ttctgaaact attactatta ttttaatacat taattaatga gtacaaatac   60
aatcactctg tcttctttct tattgttcaa ctttgaagga gacgaaccct ttagcttctt   120
tctcactctc cacaacaaca acattatctg acacattggg catagaaagt gctacaaatt   180
tagcctcatc ttgagcataa aatgaatatt gaaaatgact aatcctatta ggaaacacca   240
aaactgatga aaaatcagcc acccacttcg tgccatttcc gctcgcagtt aacttcccaa   300
ctgttgatct caagctcatg ccattcacat tgttgcgac aatcaccact tgttcaatgc   360
tactaaaatc tccatctagt ttacaatag gaaccttctt attgggggtca ccattaaaca   420
tattatcaac tatatttagg ccaaaaattt gacctttaat ggacttcaat acaatattag   480
catcccctaa aaacaaccca ttagtgacat gaacttgac aggatct                      527

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<210> 29449

<211> 364

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015b03d1

<400> 29449

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aacagacctt ttgaatcaat aaatcatagg tagaaatatc gccaacattg cctgttagat   60
caccgatggg aactattaca actaactgca atacagatcc aacgaattat aggccatga   120
taccaaaaac cgagattttg attattcgaa ggaattactt ttgccttgga ttccaaagat   180
gctctaggaa atgggggatag cacctcatag gaataattat gtcaatgcaa taaaagttgc   240
taaccaatct cctcagtttg aagcccgaag gaagaaaatt ttatccatga aaaaaatggt   300
ggagacgaac attacaggac cccagaatag gacaaatgta aaaattggaa cccacggaga   360
catt                                                                364

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<210> 29450

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015b05d1

<400> 29450

cggtgcaatc atataataat ttcattgctgc aatctgattc agaggcatct aacaagggat 60
 caaaatttat ttagaagatg gagtcacccc ctctgtcttag ggaacagagt gatgaaccac 120
 ataggccact cgttctacac aacacattat aagaacctta acaaaacaca tgctcaacaa 180
 gtgagcccca tgggtgacaat aatatatgat acccc 215

<210> 29451
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015b06d1

<400> 29451

aagcttgact gaaatttacc aaaatgaaat tccataacat caaaacacta aaatatcaaa 60
 ccaaattcat ccaacttggg tgggtcattga tattaacaaa cacagtaaata tactccttag 120
 aacaaaactt tgacaaactc atgctctagt gttaattaag aatatgttct gaacaaaaaa 180
 gctgaataga ctacaccaat taatcgaaga gactgaaacc catatcatca tcagattcct 240
 ctttctcctc caccttttcc tccttctttg cctcaacagc aggagcagca gcagcagtag 300
 ctccctcagg acctgtggcg acggaaacgg accaccacca ccagagggaa ccgtggccaa 360
 tttttcccta cgggcagcaa t 381

<210> 29452
 <211> 332
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015b09d1

<400> 29452

aaacgttaga aactcgtaat gtatacattg tggatttaca caacgaactt gccagagccg 60
 atgtgagtaa tacattgcat taagatgaaa agaattgccga gatgacttac ctgatgatac 120
 agcagcctgt gttgcatata ggtctggaca actgggtggc tgctaaagag ttagaggcta 180
 tatgttctca cggtactaac ctactagtgt attagaaagt ctacaatcac ggattgagga 240
 tgatgcataa ttctatgggc agtggatatg acattcatta tcttggtgag cctagccctt 300
 tttactcgac aaatcacatt ctctcgata ag 332

<210> 29453
 <211> 425
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015b10d1

<400> 29453

gagtaaaagc atggatatta tataatTTTT tttttcatga atacattgag tagaagagat 60
 taattaccta aaagaaaaga acacacactg aagaaaggaa agtgcttgaa aatactaaag 120
 ggtatttacc aaaggctctt gtcttgaaag aacctttaat ctacatagga tcaaagaaaa 180
 gcttgcaata aaagcacaag caattgccat tattaataac attattattc ttacaatatc 240
 aagtcatttt gcttccaatt atctcctttt tgaaacccat gattatgaag aggaaattga 300
 ctcaaatagt ggggttgctc ctgaatgatc caagagcctt agcagcacct gctctcaaga 360
 taaattgggtg gtagaaggct gcaatggctg ctccaataaa tgggtccaacc caaaagatcc 420
 aatgg 425

<210> 29454
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400015b12d1

<400> 29454

aagatggtca aatagcattt attcattaaa ttaactccga aagtaactga ttgttcactg 60
 aaaaatacta ctaacagaac tatcatcatg aacacgcaa atagtttcac caaaagggtt 120
 tgctacagta ataatcgta actggggaaa atagttcttc tccgcaactg gaatggtgtt 180
 tgtgataatc acctcgtgaa acaagccact ggacaacctc tcaattgctg gaggactgaa 240
 aatagcatga gtgcagcatg catacacttc cctagcccc ttttcattgca agagtgtctg 300
 accctcagca atgggtcccta cgtccaaaac caacatttga accagaaaat gcaccaacat 360
 atataaatgg ttaaaagagc aagagtttac aactataaaa ttctagtga aatacttta 420
 aaggtangaa taccaaaata tgctaaggat catttgg 457

<210> 29455
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015c01d1

<400> 29455

agaaatcaaa gggaatctaa ttataacag agcattttac agctagccgc gagcatacat 60
 aaataggcag atttttgttt tgtgtgtaca cacatatata tacagatgta gcccgattca 120
 gtgtttttttg tccttaggtt gctgccgtgc ggtgtatata atatcaggct atgaaacctt 180
 ataagatttt ttacgccact ccctgcatgt atatattgac atagtaatat tatatagata 240
 tgtgacaaca tatatgaatg aattttggcc cacccatata gttttattca attttctcca 300
 aacttagaag agtttggttc aatcgatcta ttccttcacg attttgagtg tatttaatta 360
 gctatgtgtg actccaagag accaagaaca ttaaggttct aattgggtct tctgattgga 420
 ggctcaacct ttgattggtg agaagcctac tactactgct aggttggttg gatcca 476

<210> 29456
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015c06d1

<400> 29456

gagaagcact atatgtgaga aatatcttct ataacagagc tccatatgta ttaaggatat 60
 agaccctaca atgaagtata ccaacaatga aaggactaca atacaagtat gcatgcacta 120
 tagaccaagt gtgactcata gaatgtaaga agttattgct cttgatgata tgatacatga 180
 caatatagat caaatgtgca tcagaatcca gactgcagat atagtcacac ttaaatgtat 240
 gctgcaaaat ttctaactaa caagctcagt tgtaggagcc catacgtaca cgcagctggc 300
 caccagcata cggctggaag ctatccctgg cgcttgatta gtcaatatag gattgtacat 360
 aaactatgct agcgacgaaa ataagagccc tatctgaaac tgacactccc ttact 415

<210> 29457
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015c07d1

<400> 29457

aaagtggccg tgttcggaaa atatcttaat cataagtcac aaattatcat ataaattaca 60
 tgctaataca ttattgcggc tcatgctcac tggccactga cttgcactct ttttcgcccga 120
 gtccactcag ccgaatcatg gcccataaca acaccataac attggacttc aactaaccat 180
 cactagccac ctgcttaaca acaatgggta taataaacac aaaacttaaa tccagtttta 240
 taagcatgtt tagtaccgat cattgattaa aattgacgtt ctatgttact aatgtatcat 300
 aatcaaaaact ttttattacg taaattatca aaacaaaact ccaatgttaa ttacaaaact 360
 gaactaaaat tacttacaaa actatgggtct gactcggctt tatatcacag acatatatta 420
 cgaacactac tgtgatcatt catttgccctg atatttaata aact 464

<210> 29458
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015c09d1

<400> 29458

gataacaaac agtagtaaca ttaatgggac aatagagttc aacacaaacc aaacttattt 60
 tcaaaggcca ttacagaccc attacacatc acattttctc ttaaaatgtt tgggaaaaatc 120
 caacatcgaa catcacacag aaatcagctc cagcttaaaa cccccacga agacgcaaca 180
 ccaagtgcag agttgactcc ttctggatgt tgtagtcagc gagggtcctt ccatcctcta 240
 gctgtttgcc agcaaaaata agcctctgct ggtccgggtg gattccttcc ttgtcctgga 300
 tcttcgcctt cacattgtca atgggtgtcg agctctccac ctcgagggtta atagtcttac 360
 ccgtaagggc cttgacgaag atctgcatac caccacgaag acccaacacc aagtggagag 420
 ttgactcctt ttggatgttg tagtcagcaa gggtagctcc ggccttgagc tgtttgccgg 480
 t 481

<210> 29459
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015c10d1

<400> 29459

gatgattaac attgaaatat cctattcaaa tatatgtaat gggttaccgt ttcaacaaat 60
 cgtcggtagc aaaaataacc aataattaga cagatgctgt tggaccctgt aaccatatgc 120
 caagatcaag taataggata agcagcagga ctaaaaagga aaattacaac atatatgtac 180
 aaaaatccct acatataata taatatatac aaggtcagat ttcattatta cttgatttca 240
 tattcttggc cttttccatc cactttctct tctcatccaa gctctttaag gtgcctttcc 300
 atttacaacc tgactcttga aaaatgtttc ttcaatcctt aacttcatat tcttttgatt 360
 cctgatgtat ttctgagcag gcactgaaaa tcttctaaga acagccctct gctgcaaaag 420
 gaggggactt ttcaatgtct ttcaatgcat tttcttgatt ttcttggtta ctaacac 477

<210> 29460

<211> 488

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015c12d1

<400> 29460

gatcatcaac catccaagga ttttaagacga aaggaacaag tacaaccctc gaaagtgaat 60
 taggaagaaa acacaaggaa ggaaaacat acacagaaga agattccaga gaaattcaat 120
 aatacacaat tttttttttt ttattttcat ttccccct ctagtagtca gtggtgggaa 180
 gctgctcgtg ggtgtggctg ataaagacaa cctcgtaaac aaggccagcg attccaccac 240
 cgatgagagg cccggcccag tagatccagt ggttggcca ggtccagctc acgacagcag 300
 gcccaaattgt cacagcgggg ttcatggcgc ctccagagaa ggccccaccc aaaaaatgt 360
 tagcgccgac aatgaaacca atggcgatgg gagcaataat tcccaaatta cccttcttgg 420
 ggtcaatggc agttgcgtag accgtgtaca ccagaccgaa agtcattacg atctccaaca 480
 ccaaggcg 488

<210> 29461

<211> 324

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015d01d1

<400> 29461

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gcacaaaact ggtaatatatt catatcaatc aggattgagg caaagccgca aagatccaac 60
attcattagg gaaaacagga cttgggaaaa ataaggggag aggggttgag gaagaatcaa 120
tggttaacag agcatgctaa aacatctaaa tgttccacac acggtttttg aaacagccca 180
atttagaaaa tcctcctatg gtgtattata aaagcagaac caatgaactt gtagatagta 240
ctttcttata ccgttcactt ggcaagtgcg ttacggatga acttagctgc ggcaaccatg 300
ttagtcaggg ctggctttac tttta 324
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<210> 29462

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015d02d1

<400> 29462

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gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
gtacattgca ataacatata cttcaccaaa caciaatcta aaaactctca aaagtccaca 120
agtcacccctt ttctttcatg ctcacttgcc ggggacgaag ttggtggcgt agggccaggc 180
attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac ccttaccggt 240
gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
gctgccacca gggtagattg ggtcagtgac ctcaccgagg ggcccaccag caatacgata 420
accctcaaca gcaccatta ggataacttg g 451
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<210> 29463

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400015d03d1

<400> 29463

aaaacagaaa ctgccattgc cattgccatt gagataatgc acgtgcttca ttctacagaa 60
 gctacaagga gccatgctat tacactaatc actaaacccc catggagaga tattgagaac 120
 aatgaaatca tggataacat gtaaagcagc aaacatcaag ctggggtttta aattgttagc 180
 gtgttaaatgt tgacgtactt tgttgatcaa tctcttctaa acaggtaacg ttcaagaaaa 240
 ttgaccattc aacattaaca aggtacagac cacacatgtc ctatagcaac cgggctgagt 300
 gcagagctgt tgcggcttca caccaccacc aaaaaagtaa caaagaaagg gtcttttccc 360
 caaaaaagtc atcatttttg atagaagatg tcatagtac ccagaccata tagtagtgtg 420
 ataaaggaat gttcttttca gagctgcaac tagcatttgg gagatcacca gccactggca 480
 tgaaatcatg atgattttaca ct 502

<210> 29466
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400015d10d1
 <400> 29466

cgtaattgat tggctagaag ttcattaagt agaaaaggta caagtaataa tcatcattaa 60
 aaatagtgtc caagactata taaaccacaa acacaattta gacaaattaa tgttgatcc 120
 ttgggttact gtagcatgtg tggcaagatg atcttagtag gagtaacctt tgacgaacat 180
 tccccgagtg gcttcctcag attcaccctc ggcagtgtac tttccaagct gagcgagtga 240
 gttggacttg gcacggaaaa ggagtgcac ttgagcagcc tttacgttct cagggagtcc 300
 accccatgtc ttcaagcagg tgtttttgag agctctggcg taggagaagg acacgtgcca 360
 tggggttggg gactggttca tagcattcaa gttcaagggt gttcaacct cagattgtcc 420
 gccagacaga aacatgattc cagggacagc aagtgggatt cttctgtgaa ggagcttga 479

<210> 29467
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400015e01d1
 <400> 29467

catgaaaaaa atgtcaacta atagtcaa ataccataaaaa agaacatgca caaagtccctc 60
 ttacactcac cctaggetca tcggtaaaaa tggtagagtt ttcattaagt ttatgaaaaa 120
 aaggaaaatg aactcacata gtaccaatctt ccatataaac cttccacaac agagattcgt 180
 gtaacaactc aatcgagga acacatcttg ctgataact tagcaaatg gaagaaggat 240
 gagaagtgc ttggtaatga aaaaaaatc atgaccatc caaaacactt ctacaagaac 300
 taatgaacc actaatcttt cattgaatg ttgactgat gacaatcagg aacctgaact 360
 tgtgcctaaa caaagggaag agaaaagggtg tttggcttcc ttt 403

<210> 29468
 <211> 52
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400015e02a1
 <400> 29468

tgacaagttc gatgtttggg tagatcagtg acgcaatata agagctatga cc 52

<210> 29469
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400015e05d1
 <400> 29469

gtgttatgtt ttatatcttag attttttgca acattttgga ggattatata ttcaggagat 60
 ctacactata ttacatgtaa tataaaggaa ttaacgaacc caaggaaaaa agactgctaa 120
 ggagctctca ctgactgaa ataatgaact gaattgacag atgtcaacaa aaagatacta 180
 gtattttaca aaaaaacata ttgcattcat taagcaacgg acccctacg ccaaagaaat 240
 aacatccatt acagaacacg atccggagta acctttggcc atcctgacgc cacacaggaa 300
 attgaatttc taaaagatg ttccataagc gaggcaacag aacttca 347

<210> 29470
 <211> 561
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015e06d1

<400> 29470

ccaaattgaa acaagaaatt ttattgccat cgtagctcaa ttacatttag tctccatctt 60
 gcatcttgta attttgctat atctgagact cttttgtctg cttcacattt ctatagcaaa 120
 acgtaaaata gaaacatcta acgaccaatt cgtacacaag gtacacgtac aataacaaca 180
 gtggaagaag aaattggtac ctataaaaaat aacttgatc ggatcgagta gagtatacat 240
 accacaagtg tcaataacat attctttatt aactcattt taacacattt tttatgatta 300
 gtttaaattt attaaaaact ataaaatcac ataaaaaaaa taaccatgaa ttttccagat 360
 ttaattttca ataaatttta gtgacgaaat atttcatatg taacttttga aaaattcatc 420
 actaaagttt ttgtaacttt agaattagtg acgaaaaggc aatacatcac taaattccgt 480
 cactaataaa catattttaa agagtgtatt agaaaatatg ttattaacat ttttcttgtc 540
 tgagataaag ttagacacta a 561

<210> 29471

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015e07d1

<400> 29471

agaacaatca taagtaaag gagttgaagc aatctgggct ctagatgaaa gtttaaggac 60
 aaatccgagc aatgctatcc atcacaacta atgctgatac atacatcatg ctataactaac 120
 aagcttgatt accaagaccg agcaacgtac agtgcctctt atgacaattg agtaggacag 180
 ggggataaat tatccatctg ttggacatta aagtgagcat cagtacgacg gactttgcaa 240
 caccctgata acaggtaagg caaaagtaga ctctgatggt gaaaccatac atgagcagct 300
 acaggtgtgg ctacggcatc cgggtcaatt ctgagtgatg accaccatt acctgcaaaa 360
 tctgctacca caaacttttt gaagaatctg ataacgcctt acacaggaaa gttgagcttc 420
 gtgcagttac ataccgataa t 441

<210> 29472

<211> 312

<212> DNA

<400> 29474

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ggtggttgaa gaaccacttt gatggcagcg tcaaagacgg ctttcacatt ctgctgtgtt   60
tttgaactac actcgatgta ggcaggagca ccaatcagtt ttcttaattc ttctccctgt  120
gctgtagtaa ttggtactgc accaggggtgg tccataaaaa attgcttata ttcccgaaga  180
tctaactttg ttccaacgag aattattgga acaccagggg cataatgcct tagttcaggg  240
atccacttct ttgcaatatt ttcatagcta gccttgctta tgagagaaaa ggcaagtata  300
aaaacatcag ctctcgata gctcaagggt ctaagcctat tataatcttc ctgaccagca  360
gtatcccaca atgccaagtt tacgggtgctt ccatccacca caacattagc actgatattg  420
tcaaaaaccg tgggcacgta gtccgtggga aaagtgttgc tgggtgtagga aatcaacaaa  480
gcaggttttgc cgaca                                                    495

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<210> 29475

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015f03d1

<400> 29475

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agcttaggag gcagaagaac cacttcgatg gcagcgtgaa gcacagacct gacatactgc   60
tgaggggtga aactacactc gctgtaggca ggagcaccaa ccagattgct caattactgt  120
ccctgagcta gagtagttgg tctgcacca ggggtggcca taaaaaatcg gttatgtttc  180
cgaggatcta actttggccc accgagaatc atctgaacac catgggcata atgccttagg  240
taagggatcc acttctttgc gatattttca tagctggcct cgcttatgag agaataggca  300
agcatggaaa catcagctcc tgcatagctc aagggg                               336

```

<210> 29476

<211> 450

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400015f06d1

<400> 29476

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 atatgaagca atcatatata gcatacctca gaataaattc atagagggat acaacaatct 180
 catatcccta atccactctg ataaactcac cactaaagca ctcagtactc actcctttct 240
 cacaatcata acactcttga atattaacta catgggtatgc aatgggtttat gatgagaata 300
 cagtcatgag aatgagttca aaaacacggg ataccactt tccatgcaca ttgattttca 360
 ctgtgccaga agtttcgggt gtgggattag tttgggaaga ttctgacgta tctgcggata 420
 atggatcctt atcagcttta ggagcctttg 450

<210> 29477
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400015f07d1
 <400> 29477

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 aatcgtagaa atgcatagcc aacacaactt attctgatac atacatcaaa ctataactaac 120
 aagcttggtt acaaagacca agcaacgtac aattcctctt atgacagtag agttggacag 180
 ggggataaat tatctattta tttgacatta aagtgaacat cagtacagtt gactttgtag 240
 caccctgata acaggttctt caaacatttg actctgaatt tgaaaccata catgagtagc 300
 tacatgactt gctttggctt ccggctcaat tttgagtaat gaccacccat tagctgcaaa 360
 atctcctacc acaaactttc tgaagaatct gatagagccc caciaagcaa acttgagcta 420
 catgcagcta cataccacta atctgactca atctcatctg tcaactgat 469

<210> 29478
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400015f08d1
 <400> 29478

atggcaataa ctgtatatct taatttaaca aactacgca agaaaccatc acaaagttga 60
 gtaacaatat tctttttcac aaacactttc attaatacaa tactcaaac aaactatttt 120

ctttttttct ttgagtgcga ggaagttcaa agaacctagg ttgccccatt cataggccat 180
 gttcaatttt tggcgagagc ttataatgat atttacagga gtcttaccaa tgaaagatcg 240
 ccaacaagaa tagaatccaa gaaacccccac tataatataa ttgtatttat tttccttaaa 300
 ttaataatta ccacaacaat tattgaaaag tggatttgaa gaaactagtc ctagtccttt 360
 cttttgggag gaccgggaag aggagtgccg tctaagaaat atttgatcaa agttagggct 420
 ctggctgggt ggtaactagg cacttgatgc cctgcttccc 460

<210> 29479
 <211> 371
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015f11d1

<400> 29479

aaaaaaactg gggatttaca taaacaagca cagaaaaaaaa aaatgggagg atgaagttag 60
 catagcagat ggacagggaa ggaagaaata atcgggtattg tagaaccatt cttacatact 120
 ttaatcctcc cttggttatc gcagagagtt gcacaccaac acattttact gatagtacac 180
 taggtgttgg gtgggtgcaa cattctggaa ccttgcattha aaaccagtcc cagtggcacc 240
 cattcccatg tctacatgct ttagggcatg ttgaccttgt tgatgcataa ggggtgtgtgc 300
 accaccatt ttacttaaag ccatttgacg ttcattatgc tgcaagacca gccagagaaa 360
 agcccgaca t 371

<210> 29480
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015f12d1

<400> 29480

gacttcaaag cagaacatac attagaatga aaagcatgag ttcaattgac aaatcaatag 60
 ggtaggctgg tgaaaatcct aaattacttt ttcacatcca taggtgcaag ttccaaatct 120
 ttctatattg gtgtacagca ttaaaatatt tttaattgaa aattcttgggt ataagcatca 180
 gcctaattctt gcttctcttc gtaacacctc ttcagcaaat tttatcaaaa ttgttgtccg 240

tggtcgttgt tgaccttcca tggggacaaa atgagctggtt acaacagctg gaaacccggc 300
 accatccaaa acgccccgta ctattccagc aacaaatgct ccacagttaa acgttcccat 360
 gtcctttggg atagaaatga atttgtttac taggagctcc ttttactga tcatgtattc 420
 atcttcatgt tcagttcctt tctccagtga atcagctacc tttccaaata atactttcca 480
 cactgtact 489

<210> 29481
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015g01d1

<400> 29481
 agtaacaaga gtgacagggtt caaattctaa attatagcac ccatgaaatg tatctcatgt 60
 gaaaaatagg ccacaagtta ttgtagctta gataccagta acaacacacc aaatataata 120
 gctgacatgc acaaagcaca tgaaatacta tatgaaacag acctacttcc acatagaaaa 180
 atagaaccac aaatgcctta agcaacagtt tcaacaacag tatctgaagg cttgttttca 240
 ggctcagctg aatcaacaat tgcagcttct gaaggcttgt tttcaggctc agctgaagca 300
 acagttgcag cttctgaagg cttgttttct gaggcaacag gtgcactttc taaaggcttg 360
 tttttagatt gtggtgcttc atccaccag aatgcagtct tcttccaga tttggaaacg 420
 gcttgcagaa cttcatctg 439

<210> 29482
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015g02d1

<400> 29482
 cacagttcac tcattatata tattaagaaa catccaattc agaggaagga gtaacttgct 60
 cttatgtcaa cgtacagggtt acccatgcga ctttgaagaa tgaaaatata aagacgtag 120
 ggacatagcc cagaaaaata atttggcact tcaacttaga accatgtgta atatgaatca 180
 tcatactgag aagaaaacag aagaaaggaa aagaacatga catccaacag aagtgcata 240

gctaaagtac taataaataa taagctcatg tcagaaatct gcaaagacgg caaaaagatc 300
 accattgatg taatcattgt cgaccaaact aaccaagaag tggctgcccc caacctcttc 360
 aaccaatttc ctggatgcct catcctcagg gtacaagctt gcccatcctc ttgaccaaata 420
 ttcaaagtc tcacctctcc atacattgaa gctgacagga tctacaatg 469

<210> 29483
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015g05d1

<400> 29483

gcacaaaact ggtaatatct catatcaata aggattgogg caaagccgca aagatacaac 60
 attcattagg gaaaacagga gttgggaaaa ataaggggag aggggttgag gaagaatcaa 120
 ttgctcacag agcatgctaa aacatctaaa tattccacac acgggttattg aaacaaccca 180
 atatagaaaa tttttctttg gtgtattata aaagcagaac caatgaactt gtagattcta 240
 ctttcttata ccattcactt ggcaagtctg ttacggatga gttttgctgc ggcaaccatg 300
 tttgtgaggg ctggcttcac ttcagtgtac ttgcgggtct tgagaccaca gtcaggggtg 360
 acccacaaga tgttcttctc gagcactgca agcatcttat tgattctgtc agcgatttct 420
 tcagttggtg gtattctagg ggagtggatg tcatagacac cagggccaat ttcagcacca 480
 tacttcacac ctttacggaa gactgacagg agc 513

<210> 29484
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015g07d1

<400> 29484

caatgagggg tgccgaaggg ccgtgatgat acgacattca ttagggaaaa taggagttgg 60
 gaaatattcg gggcgagttg gtgaggaaga attctaggtt taccagctt gctagaacat 120
 gtaaatcttg cacacacggc tggtgatgca accaatata gtacactatt ctatggtgaa 180
 ggagcaaata atgaccggtg aacttgtaga ttatacttgc ttataccatt cactgggcac 240

gttcgatcgg atgagctttg atgcgctacc atgtttgaga cggctggctt gactgcattg 300
 aacatgcagg tcttgagacc agcagacagg gttgacccat aataccatca gcttttagcac 360
 tgcaagcatc ttatggatta tg 382

<210> 29485
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400015g08d1
 <400> 29485

gcaggatg caacatactg ataggatata aagatatata tagtgtttaa agtttcttag 60
 gtattacaac tttatttcca tcaccacaaa aatagctagt tgatgtaatt ggtagcaaac 120
 ttgtgtgttt ctgttctcta tcaacttttag tccttggtga ccttttctag acaacttggg 180
 tgaaggatc agtcacagac atcacaagag aatgtccaaa acttgccctg ctttttacat 240
 gaatcacata catatgcttt ggccatatcc aatttcagta catgttcatg cttcacatcc 300
 tcaacctgct gaggcaaagc ctatccttcc tttctaagag ct 342

<210> 29486
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400015g09d1
 <400> 29486

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 catgattcat agccacattc atagtgtgca agtagaaaca agcatgcagt cacctctata 120
 ataaataggc gccagtcctt tctctgcaca agtaacaaaa atagtaaata caaaaaaagc 180
 aatcctgcag attcacaatc aatccgtatt taacatatca aatccaataa tccatagttc 240
 catttctttt gcatagttta tggctcagta ttctcttcca actcatgttt tgattccttc 300
 tcttctgaga tgaaatctga actgccttca gcagcaacgg tcccatcadc agtatgtcct 360
 acagctggag gggtctgaaa gagttcatta ttttccaact gagccaactt atctttggat 420
 tctcccttta gtagctctac tacctcgagt atgggtgggtc tcttctctgc ctgactctga 480

acctgttgaa aattagaagg atgaacgtcc tagtcctatt gaagagtatc cagcagctcg 480

<210> 29489
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015h05d1

<400> 29489

cagaacttca tactttgttc gatcgaagag cacaggcagc atttcagcat tactacagga 60
 ggctattgat atggaaaacc aagttttatc aactaaacca tcagagcagc aaagctcagc 120
 accttaggca tactgcttac gggactgac gacagcgatg aagttcgcac caggatattt 180
 cgctgcagct ttccctggga aagcagactc atatccaaag ttaggaggat ccccttttac 240
 ataagaagag tggctaattg acaggatcac attcacagat ggtgcggcct attcaacttg 300
 ctacacgagt agtacatctg gaacatagac tctgtcaaga gtattaccaa tgtttgactc 360
 gcacacagtt accagctcat tcaccgactg ggtgttaact gg 402

<210> 29490
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400015h09d1

<400> 29490

gaaccaaagt aaatccgttc ttattagtat ctatttgcca ttcattattat aaatcccatg 60
 tcatgggaat atactgtata attgataaaa gtaacaagac caaaagtata aacactgata 120
 aaatatatga atgttgatga tgaaatgaaa gattgaatct ctaattgaga cataattatt 180
 gttgttccag tcaaattcat gctcctcgt caaccacacc gacagcgtag tggccgaagt 240
 ttctgccctc agataatata cgctgcttat taagtgattg cgtcctagcc ttgttcaaaa 300
 acgaatttgg agacttaaac attctctttt caccaccaga cattctgtgt tcgttggtat 360
 taagatactt tctcttcggt gagaaaccaa agacttcatg taggaactca ttttctgca 420
 tatgcttgat gaatcctccc ccaagaaaat gctngataaa attcaactgc atcatttcag 480
 accatgatga tgcttgc 497

<210> 29491
 <211> 351
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400015h11d1

<400> 29491

aaactgttga caaatgattt agcatgggca taaattttat agcatacacg tagcacgttc 60
 cgcaatgcac atcttattac ataccgaaga gctcttaatc accaatgtaa gaggtataca 120
 aattgacacg tacgagcatg tgtaacgtac acttgggacc aacacccttt aaactgccccg 180
 acctgaataa aatatccgaa aaccatatta acgcagttca caactacagc gactttttgta 240
 tgggtttccaa aagaggtagg cctaataaaa tgaatagaac ctatatccga tattattgtc 300
 acaactttta ttctttaaga aagtgatcgt cataatatgt gatatcatgt a 351

<210> 29492
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016a10d1

<400> 29492

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 aaaacaaaaa cgcttggcgg ggggggaaaa aatttaaagg ggggcaaggg gttggatttg 120
 ggcccaaaag ggccaaaatt ttttttccaa aaaaaaacct taaaccccc ggaggccag 180
 caattcccaa ccttaacttt gggttcgggc ccttaaaatt ttaacccgac cccaggggt 240
 ttttccaaa aaaaaagggg gggccaacct tggggcccc tggggcccct gggaaaaccc 300
 cccgggcccc cataaaactg ggggccaacc gggaaatacc ctggctaaaa cgggttaaac 360
 cccccgttg cccccccggg gtaacaagg ccccaggg gcaaaaagg 409

<210> 29493
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016a12d1

<400> 29493

gtagccatt catgttcatt tttatcagac cccaaaccgc atgctgaaag agagaacttt 60
 tttctaaagg ccggataccc cgatcatgtt tctaagacgt tcaacatccg ataccaaaat 120
 atgtggtttt actcggaaaa aactctcgga agacagcacc cccatcaaca ctattagaca 180
 accataaggg ctaggcttgc gctcaaagcc ccccaaaata tgtagacccc ttttgaaaat 240
 tattttaccgc aagcttgtga acccagcatc ggccctaga accccaagga atgtaacact 300
 ctgctccaaa tccccaatgg ttttttgggc actctgttca accctggatg 350

<210> 29494

<211> 540

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400016b01d1

<400> 29494

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 tgaattcaaa agcaaaaacc actcagtcaa aaacactaat ttgaatttgg aaaaataaga 120
 ggattacact atttgacgtc tcgtaacaaa ttaccacaa gtacatacca gacgaacaag 180
 aaaaccattt acacgagaaa ttttcaattc cacgagcaat cagttgctgc aacacaatcg 240
 tcgttctttt tttccacatt catagttgta gaaaaacctg cctaagtttc tcacgagctt 300
 cacgaaagca aaacgcaaga aaaatcgcac aattacacaa gcaactacca cctgtcaagc 360
 tgcaattaac ttcttttaaat ggagaacagc atgaacaggc gttatataac actaaaaatt 420
 cttgaacata ttgctgacca agtactcctg aacaaaagct tgaagacaaa ggaccaggag 480
 gaagaaggcc ttatcttttt attcaaacaa gtggcattct ataatacttc attgcccaaa 540

<210> 29495

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400016b09d1

<400> 29495

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aacggatcgt ctcacgtga taaaagacta acagaactat tacaatacac aattcgctaa 120
 agtgaaatgc cacacattgc aactttgcc aacacacaa tttgcagttc aggtgcgtcg 180
 ctgtttcctt gtttaaagag cttcaatttc cctcatcact tgagctttgt cagcttcaaa 240
 ttgttcaccc tctttgtcaa ttttgaagtc ttccaacagt ctcagcatct tacttttgtt 300
 cgcaacaaat ataccgacga tatcagctgg cttatgttgg ttagcagcaa atagcttgaa 360
 aacatgaaat gcttcaatct gtatgctctt gcttgactct cttagaagat tcattaaaat 420
 cctcaagttg tctcttgagc tcacatatct tgtcattacg gctgaatttg aacgatcaag 480
 taacatatct tccaacaact tgacagcttg acgccttgta atataattgg aag 533

<210> 29496
 <211> 619
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400016b11d1
 <400> 29496

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 aggtctaaat gcccaaattg tctctaacag aagctaaaaa agacaacata gaaaaacaat 120
 aacgtatctg gaaaaccaga cttattttca caaggacaga ataataaaga cacttaagga 180
 aactactctt cctcatcttc ctcattccag cacttttagag ttgatctagg tgaaccacag 240
 tcactagtct tcccgaattt ttggtagaca acagaaccac ccattccaag cccttcgtgg 300
 ctctctctt cagcagagta tcccttaaca tccagaaagc aggtctgctc aaacgacttg 360
 cttgcaccat ccacatgaac tgcaacagaa aactcagttg ggaggaaaca tgccaatacc 420
 ctctgaacca tttcgttcag attcaccgct ttgaagtcac aaccaacagt ttcgaagctt 480
 gcataactga aaccatcttc tggggtacca tgaattgtag aaacagcagc gcctttaaca 540
 gagtccattg aataaccaca tggttcaaag tcaaagtcac aaatctcgga atctggaaga 600
 attttctaata gccggaata 619

<210> 29497
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016c08d1

<400> 29497

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agaacaactg ttcacccgaa agaaaggaaa atgttaatgg aacacttcac ataaaccatc  180
gcaaaaaaat atttacggtt cgacacaaca gttgggaaca tgcatttacc tatacgcaca  240
cacaacttca aaccatttgg accagagacc taaatcataa cagcaaatga cagacatttt  300
catttccgaa tgaatgccac ggtagcaaca cgggagccta cggatccacc aaacatgaat  360
gttggatatg tgcggacatg acttacatac tgaaatgggg gctctctgca tggctectca  420
cccttttagtg cctcaagttc ctgtgcagta gcaatttttc   460

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<210> 29498

<211> 572

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400016c09d1

<400> 29498

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aattgcataa atggttgccc ggcaactgcaa ccaaaagcat gtctagaccg aaacaagcac  120
caaaactgct gatgtgagtg cttgttgatt gttaatatga acctatattg aacacaaaat  180
tctgaccttt tacatcagat atatatgate tataatcaga cttatgtaca cttgacatca  240
ttcatcctac ttggagggta cgtctttgtc acaaactg cttgcttaga gattcttttag  300
ataacagcac ctgaagcagc tcacgtagcc tctcagcacc aggtcctggc ctaaacttg  360
tatcattgcc acgaacagaa caagggtcag cccaccatc tgtgttccca acacaccatg  420
caccaggtga aaatctatgt gtgcgcccc gaagttcttt gtcaatcttg tctaactg  480
gatcctcctt tgcaaaattg cgcgccaaga gtgccttgct tttaaccatt tngtcaaagt  540
ccttcacagt taaagagatg ggatgctgct tt   572

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<210> 29499

<211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016c10d1

<400> 29499

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 aacaccaaac atttgatagt ataattttta cactattagc ccattctatt atcttatcct 120
 tatcatatat gctgcaaaca tggcctaata acattcatat atgtctaaat cagggcttta 180
 agaataatca actcactcaa tccgcataac atctctctcc tctttctatt gtgacctggt 240
 taacttattc aaacacacac cacccaagca gaaacatctg aatcaaagga gaaaattgct 300
 ctgcatatct gaaccttcac atgctctttt tggttaacaga atggggagag ctgtggtcaa 360
 tagcctgcac ctgactccga agattctgat tgtctgcaa gaggcgatca tattccataa 420
 gaaaccctc agattgcttt ctaagagcct tcacctcagt ttccaaagcc ttagccttgc 480
 ttgcttccat ctcaactca gattctagtt tcttaatatt gggctttaac at 532

<210> 29500
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016c12d1

<400> 29500

gaatggaaga aggcatactt ttaaattgaa ttgatggggg ggaaaaccg aatttaaaga 60
 tttccaatca tacacaatat tgcaacaaca aaaagaattt taacaaaaaa agactttctt 120
 tttttacttt ttttaccbaa aacctagca aaatataaaa acaaacgaca ctttttttta 180
 gactctttaa atccaaaagc tgatcacaat caaaatcaat ggcgttattt atgaaagctc 240
 cataagactt caaacgacca aaagccggtt tctccattga tgttctcttc aaacatgaat 300
 ttactcttca atagcaaggg gcacagactc agccaatttg cgttacttga gagcatagaa 360
 catctcgagg taacgtttgc tctcacggcg ttcaagattg gtcacgtgct tccagaagcc 420
 atacacacca gtgagtgtca agagcctgtc cgagtaaatt tgccatgtgt acttctcatg 480
 aatacgcttg agtccaccct gggagatttt gtcccagtga gatggatc 528

<210> 29501
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016d01d1

<400> 29501

gggagataaa caacacattt gacactcata atatacccca aaaaatcaag attaacaatt 60
 aaaaaattgg gaccactccc ccggggcaaa agaatggtaa taattcacat gttcatcact 120
 atagacagga tgataattta actatgcttt ctatgttaca aatttgattt tcatgactca 180
 gcttatggca gctgaaatgc cggtcactcc aatatccatt cttcatgttc atggcatgca 240
 tgactgtaac tttttcagtg cagccaagtt ttcaaagtgc aattccatga tctagccaaa 300
 gtgatcatgt ttttgactca tggctcgtgt ctattgactc ggctatgaag ttccaacatt 360
 tcttggtggt tcgggtccac tgagagggca gcacgacagt ctcttagagc acctaagaca 420
 ttctctttat gttcatggaa tgctgcacgt agatgcaaga gatgcaaadc agctttaaat 480
 gcaatagctc tagagagtgc tgcaat 506

<210> 29502
 <211> 581
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016d10d1

<400> 29502

agaaaaactg aaattccatt actagtaacc aaaagtgaca tttagattga agtcaaggaa 60
 ggaagactcc tctcaacaat catccactca atcccaaag tcaaacaaaa acaaccaaca 120
 actcaacacc ttaacctaaa ccataaccca acgattccta cctgactaac cacaacacag 180
 taaaacaaga cacacaactg agcttagtaa ctcaaccttg actcacacac acaatgcttg 240
 tggatcatga actacattgt ttattcttaa cattatcttc aattattcaa taagtctcca 300
 ttttatttgc actcgaatat ttatctatac aaaacttaga tagagtacct caaggggttac 360
 cactattact ctctgatcag aacaaaaatt tcaccttgat aattagtaaa actccaattg 420
 tcgaggtgaa acttcaatta taacaaagaa taatactata accactaaaa gaactgtatc 480

taagatttgt actaatgaat atgtgatggg tcactctttc ttctttttaga tatcacacat 540
 attttctaaa agagacaatc atgttcaaaa cagatcagtc t 581

<210> 29503
 <211> 327
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016d11d1

<400> 29503

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 ttttaccaat taaacaaact tatcagctag gctttgcacc ttagacaaac tgattaaggt 180
 actcatccac agtgatgtat ttcacatcag gatatagagc tgaagcttcc actccaaaag 240
 aagactcaat ttcaaagtta gtatgatccc cctttcctta ggaggagtgg ttaattgaca 300
 ggatcacatt cacgggtggg gcggact 327

<210> 29504
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016d12d1

<400> 29504

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 aacaatccca agaacaagtc aatgtttttt gactgctcca catttttaaac ttgttgaaag 180
 ccattcatcc acattgcaat ttgataccac cttgacaact cagacgcctt aagcctcctc 240
 ctctctttca tcttcatact cttcctcgtc aacagtagca tcttggtatt gctgggtactc 300
 tgccaccaga tcattcatgt tactctcggc ctgggtgaac tccatttcgt ccattccctc 360
 accggtgtac caatgcaaga aagccttgcg cctgaacatc gccgtgaact ggttgctaac 420
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 g 481

<210> 29505
 <211> 620
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400016e08d1

<400> 29505

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 gctgtggaat gctgtcatat ttggtcctga tgatactcca tgggatggag gcacgttcaa 180
 gttgacactc caatttactg aggactatcc aaataaaacca ccgactgtac gatttgtgtc 240
 tcgcatgttt catccaaata tttatgctga tggaagtatt tgtttggata tattacaaaa 300
 tcagtggagt cctatttatg atgtggctgc tataactcaca tctatccagt cattgctttg 360
 tgatcccaac ccaaattctc ctgcaaactc tgaagcagct cgaatgttta gtgagaacaa 420
 gcgtgagtac aatcgaagag tgagggaaat tgtggagcag agttggacag cagattaagt 480
 tcatecttat atgcatggga agctttgaag gcatgaattt ggttgcagtg atggcaacta 540
 ttagaatgat tgtgcaaact catcacantt atattctctg ctgatatgaa tgatagcatc 600
 atcttaactt taattaatat 620

<210> 29506
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016e09d1

<400> 29506

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 tgctgacagg tgtgccaaaa acctctctgc ctgataacaa atacaaattg agcaacgaca 120
 caatgaaatt atgtgattgt acagtatgtc aatatagaaa aaaaaaaaaag aataacaaat 180
 gttataatct taacaatctc caccttttca attcaggcag gcaagtaatt ctataatggc 240
 attgcattat aggacaggaa tgttaaaccc ctttatcttt ttccaaagt gttgatacgt 300
 tttgccatta ggaactgaaa caactgttat gtaacttaag gcatatgact cggcaacaac 360

aatgaggcat aagtcttata ccaaaaacaa aactgcaagt ttggcgtcaa gcagcaactg 420
 atttgcttta attgggagcc aaaaaccaca ctgaacagct taggctcaaa tcaatgtgtt 480
 cagggatggg tttatggttt ggccattctg acctttatca atgaggatct t 531

<210> 29507
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400016e10d1
 <400> 29507

aaccaatāaa aaacaaatag ccccaacttt aaatttttaa aggaaaaaaa aaaaaaaaaa 60
 ccttttattg ggcccccaa tatttctaaa cttcggagca ataccccccc aaatttttccc 120
 ccccttctt caatcacccc accccgaaaa aaaaacctta aaaagaaaaa accaaaaaaa 180
 aggggtcatc ctaggccttc ctttcaaaac caaaaaccac cctgggcacc aacggacccc 240
 ccaaggggac ccccttaaac catggccctt ttaaaacccc cggccctcaa accattaggg 300
 gccttggtccc cccccgaggg aaaataaaca cccctgccc ggacattttt ctccggtttg 360
 gctgggcccg gaccctcccc cggtaaacca cctgggccc tgtccccaaa aagtttcttt 420
 ggaaaaaccc ccttatttcc ctg 443

<210> 29508
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400016e12d1
 <400> 29508

aagtaaaaca tacatccata ctcataggt caaatataca aaaacttatc ttccaaaact 60
 gtgtggttgc cccacccaaa ctcggaagc acaagtttca aaatgtatac tcttgataa 120
 atgtcaagat ccaaacttat aatatgtaaa tactgatatt tattattact tcttaccaca 180
 agcggcttct tagattatat ctagtggacc caacaactaa tcacaatgct caatactctt 240
 aaatttggtg ttttcacccat ccattgttat tattcaagaa gagaaaaaga tccaaatcca 300
 aaaacaaact acagggtccac atctgcagat agcctccaat ttatttctcaa gcagggtatta 360

gaaaatattg aaggcacatc cctcacacca tcttggaaatg ttggggtaga actaactaca 420
 cagggtatatt gtatagctga agaaccttct gccaaagctgg tcggttacta atatca 476

<210> 29509
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016f01d1

<400> 29509

gatgacaacg acatcaatcg aataataagg gtctgaaggt aacaatgtaa ataaatgtaa 60
 tgtgtaccca aaacaggggtc aaaagaaaaa gaaacaaaaa aggaaaataa atgatacaat 120
 acaagaatat aataacagca acaaagcctg tctagaagac caaaacaagg gtagcccaac 180
 ccaaacctaa gcctcctaga accttcttca agcacatgat ggtctctgct ccactctcat 240
 cgttggcagc agtggcaggt ccaggggaag aagcgtcctc gctaggacca ggagccccgg 300
 tgggtggcgc aggaggtccc agcaacgacg gtgaaggagc cggagcaccg tgcttcttac 360
 ccttcttctt gtgcttgctc ggagccggag cgggagccac aggggtgggc ggccgccaca 420
 ccggaacggg agc 433

<210> 29510
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016f09d1

<400> 29510

gacataatac gaggctttat ataattcaat tgacttaaca aatcaaataa taaacaatgc 60
 tatttggtta tacatggaaa aaaaattcaa attgttcttc agtaacaaac cgctgttctt 120
 tttcaagaaa aatacatgct caagtaatga aaatctaagt agggcaagaa aattagagac 180
 tggagatcat aatggccgaa gtaaaactcaa cttccttgcg tttaactaac aaatctctac 240
 gccttgtttg caatgttggt tgagagccag tcaagtcctt catagagccc ttcaccagat 300
 gtggcacatg tgctctggat ataccagtgg cgctgacgga gggaatgaag accaagctta 360
 tcagttatct ctgcagcatt catagcatta ggaagatctt gcttggtggc aaaaactaga 420

agcacggcat ctctcaactc atcctcattc aacattctat gcaactcatc tctagcttca 480
acaactcggc cctgtgcatt gctatcaacc acaaaaatga gtccttgtgt attttggag 540
tat 543

<210> 29511
<211> 572
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400016f10d1
<400> 29511

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agggtttttgt tctataacac tccacattgt atttgagaag agaaaaaaaaa ctgctccatt 120
acaggtattg cttgaccact caggtgtgaa aactaaaatc tatcagccgt tatcacagca 180
ggttgagctt caacatgcct ttttaacaaga tatggacca ttccaacagc ttcctgaaac 240
tttgcagcta ttcctgcaaa agcaggatta gcagaaactc tactagacac tgtcaatgat 300
ttgtgtattg ccttgcagca gttatatctg ccttccatac ctatttttgt cgtttcagta 360
cttgggtccg taactttatt tataatctct tgttttgaac atatctccat caagcaccat 420
ggtcgggcaa ccaatccact tagcattcta tagcccgcta gacgtatttc tgaatcctgc 480
tgcaatactg acagaaaaag acccgatgga gtcagctttg agcttctgga tgctgtttca 540
taaattaagc gtccagggtt tcttcttctt cg 572

<210> 29512
<211> 561
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400016f11d1
<400> 29512

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ttaagaattg tttgaaagat ggagcaaaac aaatcatcag aaatagataa tcttccaatt 120
ccgagagctg aatgcattaa ctacttctgc aggcaaaaag ccttaggcta ctactagaaa 180
ttaaagaaaa ataaatggaa attcccagag ttaactttca ataagtgata actttaatta 240

gtctgtaa at gcattcagcc tccttcccat taattataca gtttccttcc agaaccgaac 300
 tgacctatca gttccacagg aaataaaagc agactctatt ggtgagtgtt caagccagcg 360
 ggggtgcacca acatgattag aaggccactt tgctactttt tctgttgtca tcgcatccca 420
 gataacgata tcattgctca gttcatctat ggatagaata aattcttctg tctcattaaa 480
 aatagcctgg caccttagct gggatatgtat agcaccacaga tattgtttga ctaatcttcc 540
 agagccaact tcccatagct t 561

<210> 29513
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016f12d1

<400> 29513

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 tgaaataaag taccatttcc attcacagaa taacaagggt ccacacactt tatatcctaa 120
 atttgccatt taatagcgcc tttaaaagcg cgcaaataca caaacatgaa aaaaagaaaa 180
 aaaatagcct tttgatttaa acaccgaatt gaataccagg cggaacgtg agaagatggg 240
 acattaatth cttaaagggc tttgacgggg gcggaggccg ctgtgggggtt aaatggggca 300
 ccaatggaag tttcgtgggg atcgtattct ggatcgtgac attcatcgat ggtttcgcga 360
 cccttttaaa gacaagggtt acatgcgaat tttattgtga t 401

<210> 29514
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016g01d1

<400> 29514

aaaagcatga atattttgtt gatttgatcc atccaatcat gcaaccttaa ttacttaa at 60
 gccacgtttg gagtgggtata tcttcgaaat cattactctt ataaccgaa agtttggttg 120
 ttgcaaaaaa aatctaattt ggcatattac aagagacttc acgaatcatg caagttcaga 180
 tgtacatacc aggtggaaaa agaaaagata ttttacacac aaaagacaca attaatacag 240

tgaatccttc tgatgtttcc attcccgcca tacacaaaag gttgatgaaa ctggagtggg 300
 ttttatctgt tgatcgtgta ggaagcattg attggaagag acattttttc 350

<210> 29515
 <211> 597
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016g08d1

<400> 29515

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 acaacttcag attcacggtt gcaagccttt ggtgatgaaa tcttagcatt gatttcattg 120
 tcattctctg gaggtcctgc tgcttcaaca gaatgatcct cgtgaggggg actgggaact 180
 ttcttgttgt tgctttcatg gtcaagcatt ttctcagttt ccttttcggt agcagcaaca 240
 tgacccttgg aagggtttgc tgatttagtt gaagagcttg atttctttcg tcttctcttg 300
 gtagcttggt ttggcttttg ttactattg tcaacttttt cagtgtccaa attattatgc 360
 acctctcac cagatatatt caaaccttca gagtgattag aaaaatcagc gtcctcttgt 420
 tttttaatgg acttggaatc agctaaagca ttatcttctc caacacatgc aacaccattg 480
 ctcattacca actttggaga tatactcaca ccagtatttt ctggttgaga gggcgcaact 540
 tcccttgaat ccttttaacc acatgtgttg actcctctgg tgactgtttt gctgaat 597

<210> 29516
 <211> 602
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016g11d1

<400> 29516

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 acgctgtttt cgtgataaca cgtttatttt tccattacag aagatgactt agccattcgg 120
 caataacatt atttgttttc attgtatcaa ctaaaataac ttaacgatga gggtagcatt 180
 taatcttact ccatcagaaa ttgcatctaa tttgtgttta gatctcggga agaaagtgc 240
 agccataaga aggggaagcgg gttaaagaac actaaaactt gaagatagcc gcaccattg 300

atggcttgga agcaaataca taaaggccaa gatcggttctt cttaataacg cccttgtcta 360
 ttctagactg gtagaaacat tccttcaaata taaggataaa ttgtggaact atgctctctt 420
 tcaccaaagc aacagcacaa ccaccccatc cagctccagt aagccttgcc ccaagagcac 480
 cattgttacg acaaatatattt acaagttctt ccaactccgg acagctgcat tcatataaaa 540
 cgctgcagct atgatgactt tcgttcataa ggtcgccaag cttcttttagc atgtcctcgt 600
 cg 602

<210> 29517
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400016g12d1
 <400> 29517

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 acgctgtttt cgtgataaca cgtttatattt tccattacag aagatgactt agccattcgg 120
 caataacatt atttggttttc attgtatcaa ctaaaataac ttaacgatga ggggtaccatt 180
 taatcttact ccatcagaaa ttgcatctaa tttgtgttta gatctcggga agaaagttgc 240
 agccataaga agggaagcgg gttaaagaac actaaaactt gaagatagcc gcaccacttg 300
 atggcttgga agcaaataca taaaggccaa gatcggttctt cttaataacg cccttgtcta 360
 ttctagactg gtagaaacat tccttcaaata taaggataaa ttgtggaact atgctctctt 420
 tcaccaaagc aacagcacaa ccaccccatc cagctccagt aagccttgcc ccaagagcac 480
 cattgttacg acaaatatattt ac 502

<210> 29518
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400016h01d1
 <400> 29518

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gacttcaatg ggacgtgaaa attcacgtta gattgtccgg ggaagtagtg attttccttc 120
 cctgatctag caacgtaata aaaaaggaca tggatatttt ccatctaaaa ttaagcatat 180
 gcacaaacaa cactttcttg tataccagca ttcaacacgc aaaattttga cgcaccagc 240
 aaaatgaaag ttcccttggt caacttcaaa tccactatcc aatataatgc atataatatt 300
 acagatatcg catggacagt tgctattgac attcttccga gaaaccaact ccaccgaagt 360
 atacctattc ttttttctca tcttttccat tattttgagg attaagctcg tcatcatcat 420
 aatattcttc aaaatattct tcatcactat cctnctcatc atcataataa ta 472

<210> 29519
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016h10d1

<400> 29519

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 ttacacttga cctataagtt gaatttaatg tgaaataaaa tcctaacagc ttcctatag 120
 aaatttgatc ttggttacia gacttggtta ttaagaatta gaagatatag ctagacataa 180
 aactagaata tgcaacaaca tcaaccaat ctggaaaaag attcttcaat ctctttattg 240
 gatcaaccaa cttttggtct aaaattgcta ggtccactcg taatgcttca gagttgtag 300
 cctctaacca gaaggtccaa ttcccatcgc taggtccact aagacgacat atatatgatt 360
 gtggaccatc accataggtt tcagttcctg gaagcaaatt atctgcaa at gaccaacttg 420

<210> 29520
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400016h11d1

<400> 29520

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 agttgccaat cagtaattat cctatacatt gaccttggca aagctaccac atctacttgt 120
 ccttgatatac ccacccatgt ctcaagagtt aagaccactg ggagtgttaa attagattaa 180

catataccag gctcccagcg accaagggta gtttctaaat tagtactatt tcctagtcaa 240
 atccaattgt acattctttc ttgctcttca accgaatcct tagtcactta caaaattcta 300
 cacaacctac tcagttcagt tctcctcatg cataagaaac aactaatgct acaaataattt 360
 aactactga tacgctgtga cattgcacca agcaccgcga atccatcctt cactgaacaa 420
 gctcgcaaag actgcatgcc aacaattatt tattcttgca aaaacaaacc tggtgaatta 480
 ttcagctggc tcatattcat attaggcact acctgcctca tctgatgaac ttctgctgg 540
 acgta 545

<210> 29521
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400016h12d1
 <400> 29521

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 ataaattgtg agtaaaagga gaaaaggaaa aaaaaaaca gtttaagtat tgatgagatg 120
 acattagacc tatgaatgaa gtagtagtag tcatggaaca cgcaaattat tcatccacac 180
 ctagcaagac atccattgaa gggagtgtatt aacttcacaa caatcttaag cttgaggctt 240
 ctcagacttg agtggcttca caacttccca ggtgaagtca gggtcatccc ttccaaagtg 300
 tccataagca gctgtcttga ggaacctatg gccaccctc ttaagggtcca agttaatggt 360
 gatcattcca ggtctgaagt cgaaattctc cttcacaatt tgaagaatct cttgtgcagg 420
 aatcttccca gttccataag tgtccacaaa cactgacaag ggctcaggga caccaatggc 480
 ataagaaact tggacaatgc a 501

<210> 29522
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017a02d1
 <400> 29522

gatcacagaa acaatcatat aatagcataa agacggtttt aacagtataa gtcacccata 60

tgtaaaagca ctaattgcaa ccaattgttc cagtttcata gtagtaaccc aaaaaacatg 120
 aaaagtgaag tacaaatgca tggtagagaca cagctaatacc aagctactaa aacaagggac 180
 agagcaaaca agtagaaaat actaatgagc aataccaata aataaaagca aacacaaatc 240
 cgaccaacaa aaactaatga ccccaaataga agattgtcct aatgaaaata gaattttcat 300
 caaaacttat ctgccctgtc ccttttctgt tcatgtgctt tcaaagtgtt ttgttatggt 360
 tgattgggcc tcaactggcc atcatgactt tgacaaactc ctgtagttg atctgcccac 420
 caccatcaac gtcagcctca cgaatcatct catcgacttt ctcacgggc agcttctcac 480
 cgagaatggt cattacgtgg cggagctctg cggcagagat gaaaccattc tgatcctt 538

<210> 29523
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017a03d1
 <400> 29523

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 caacatgtat actagtgtat acaccatatt caaagatagc taataaatac ttgactgtat 120
 aattaatatc acacaaacgt aaagtggcaa tatatagttg aaatatatat aagcttaatt 180
 tatacacaga aaccatgagt ataaagcatc ttatacaaa atattcaaca agaatttact 240
 ttattaccac atcattatag taaaatgtca tgataaagtg gtgaaattct attgaatgct 300
 tgtgtcaaga tgtttttata ggatcaaagt gtgtatataa attaaactat attttttaat 360
 caatatatat atattgttca cacattttat atatatatat aagaggtgct taacaagttg 420
 gataggcaat accacaagaa ctaacgggtt atttggcatt aggagagtta acatactgct 480
 tcaagctagg gtttttgagg tagccacaga agcat 515

<210> 29524
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017a07d1
 <400> 29524

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 ctacttgcac ttatagccat taaacaaaac tattgttaca agggatatgac aggtttctgg 120
 taaaagattg tataaatgaa tatacatata tttccttata cttcacagac gaaaaagtca 180
 aaaaatgaca atgaaaattg aacaggaacg ggtaatgaaa tgaatcttgg atttcttcga 240
 agccaagacg acggatttgt atgacgatcc tacctttttc tcgttttatg tgtgagagca 300
 caaatgaatt tatagaaaat tggttcaaaa tccttcgggg ttaatcccc ttttcatctg 360
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<210> 29525
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017a09d1
 <400> 29525

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 atacatTTTT ccacgtcagg cttgcccatt tgattcgatt tcttcttgcc cactttcaca 120
 agtttttgca ttgcatctct gaatatcaca caaacaaa aataacttat ggagtaggaa 180
 ggtgatcttc caccctttcc tccaaacaga tgcttctttc aacactttta aaagaacaaa 240
 aagacaaaat gaaaacaagg tataacaaga catcttagga atcatcgggg ttagtaatca 300
 aaggtggttc ggtatcctcg ttctgagctt gagtttcagt ttgtgttga acttcctgct 360
 gttgctcaac tagcctgctc atac 384

<210> 29526
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017a10d1
 <400> 29526

accaccaccc aaaaaacacc agaatcttcc ataactcaga aattaaaact aaaataaaaa 60
 tacacaacta acacgcccta cattaccaca tgcctgaatt aattttatta caaatcaat 120

aaattaacca aattccccgt ccaataatth cccggaaaaa aagcgcaaht taaaaaaaaa 180
 aactaaaaaa acacttacaa aacaaaacca ataaaaattht aaaattacat aaaagtatca 240
 gaaatctcaa atgcagacaa tgcagacact gcaacagtga gagccgcaga agctttttacg 300
 tgaaccccggt cattcttacc ggcggaacta ctccgttcag tttttgatga tggcgctttc 360
 gccggagcac cagcgggac 379

<210> 29527
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017a11d1

<400> 29527

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 acagtcaggg cgctctctac ataaaccctt tattaaggaa aaaaaaaaca aagtgaactc 180
 acgaaagcac gatcaattac tattaagtht accgaaccga aaacggcgcc gttttggatt 240
 caggtcttgg aagcttcgag atctgcagct ttctgaagaa gactattggg atcatcctcg 300
 aggaccatgc ggatggggaa ggagccgagg ccgtcggcga tggcgagcat gatcttcctc 360
 atctcatccc ggaactcgcg ggggtcgacg gcgccgctcc ggtcgccgtc gaacttgctg 420
 aagatggagt cgtagagctt cgcgagctga tccggcggcg tggcgacgtc gatgccgaag 480
 tgcgtctcga tgaggcgcat gga 503

<210> 29528
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017a12d1

<400> 29528

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 aaaaacgggg cccctthtct cccctagcta aaaggggaaa cttctcaata ttgggggggaa 180

aaaaaaaaaaa aaaaggggggc gaaacttccc tccccaaaaa aaggggttcc ccagagggaa 240
 aaaaagggggg ggttttaacc cttggtctca aggaccccaa aggggggcca attttttttt 300
 ttctggggct taactcccc cataaaatgc cccaggccc aataggtgtt ttcccg 356

<210> 29529
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017b01d1

<400> 29529

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 cataatcatg ggaatacgat aaccaccggg cacttgatgat tttctcaca caggaacttt 120
 aagtacacaa gacagagtc aagtgatcca accattaggg aataatgaac cccttaatta 180
 gttcgaagct ttgacgggtc cttccttggg gggatgcacg actatgtaat tataggcatc 240
 caaagggaga aaattatcaa gtgttaggga cgtgcattgg cgagtgaaga tcttgcaagc 300
 ctccttggac attcccttct tgaacttttc tgggtccact tccttttcaa tcctagccat 360
 attttcttca accactctat gaaaaaggtc tttggtcact ttttctcaa gccattccc 420
 atctagctac actccatact tgggccactg gcagttttgg accctggt 468

<210> 29530
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017b03d1

<400> 29530

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 caaatacaat caaggaagta atcatgtcat aatttacatc cataaatgg attaacacaa 120
 aaggcaaaaa gattgacatg aattttcaaa atgaagaaga caccagacac ataaataaca 180
 actaatacaa gcaagcacat aaaaaaaca gagcctaagc ccttgtcttg aaaggaatgg 240
 ctcggtatgac tatctggtga tacacagcag caagggcagc tccaatgaaa ggtccaaccc 300
 agaaaatcca ttggtcatcc catgcatggt ctctgttgta gatgatggca gctccgagac 360

tcctagctgg gttaatgcc a gttcctgtga tgggaatgg agccaagtgg accaagaaca 420
cagcaaatcc aatgggaagt ggagccaaaa taggaacgtg agagtctcta gcgtttctct 480
tggcatcagt ggcagagaaa acg 503

<210> 29531
<211> 570
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017b04d1
<400> 29531

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atacataaaa aaaagggtgc attttatgaa cataactata gacacattac atatttatcc 120
gaagcagctt cgtatcgttt tggataactc tccctctctc tagcttacag ctccagctct 180
ttcaacattg gcatatgagc tacaatgca gtcataactt atcatcaaga atggtggaca 240
tcagaagccc ttgcacgaat tcaaaccctc gagccttctc tacttgatcc tcttctgata 300
gctgtaactg ctgaggtttt cttttcaaga aatcgctctt tgaactttct ttacttagag 360
catcttcagt ggaaggagggt gttgcaactc cagactcatc agctacaact gggtaaaaca 420
taaagatga taacagagga tggggctcgg aatatgagga agctaagtat gaagaacctt 480
caagaaggga ctgcaaggct ccttcttgta cctctttcta atatagaaat cgttgaagca 540
agccttcttt ctgacctctt tttgcgctga 570

<210> 29532
<211> 542
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017b05d1
<400> 29532

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aattcaaata ataagcagag acaaaacaga aaagaaaagg tatataattt gaaacttaat 120
tttaggcata aacaatttcc tcagtgtccg cagaagccaa aataagctgg ggttcttccc 180
ttccaactcc acacgttcca tcaattgcat tgttcctacc caaagccttc aacgcaaat 240

gagccgcctt ctgccctgat atcatcatcg ccccaaacgt cggacccatt ctcggggagc 300
catcaatttc tgcaacctcc atgccagtga caatcatgcc aggcacaatc tccctagtga 360
gcctgacaat agcgtctctca gcagcattca tatccaaagc cttcattcca ggaacgctat 420
caatcatccc aatactcttc aacctcttaa cccagtggtc gccaaagggc ccatcggtgc 480
cacaagagct caccacaacc ttgccttca tcacgatggg gtccatgcat gactgcgtgt 540
ca 542

<210> 29533
<211> 386
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017b09d1
<400> 29533

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gcttaacaag ggccgaaatt tcggacaatt ccaccactac ttttcatact agttagggct 120
ttactccaat taaaatgggt tatggaagaa accttccacc cagcaaaca taagcaatat 180
caccctttag gtttccctca ttctttggta cttctgctgc tacactgata tcagtctctg 240
gattactaaa taagggcaga tcgtattatt cagcaagtca ctggggttag ggatattttt 300
tggcggtaca ctagctagac tctacaataa gatctattct ccactacgcc cctgaagagt 360
tgaaatgccc aaagaaattt ttgaa 386

<210> 29534
<211> 522
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017b12d1
<400> 29534

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cacaggatga tgctctcttt aagtagggaa gcagatctta tcagtacaca taggtaggtt 120
gaaattctag ctctagcaat ctagctagag aaggtagtac ttgcacaaca cacagcacat 180
gataatttat ttatatacaca atctcattct catggtgctc aagatgcatg gactaattaa 240

gcaacaatgt tggctctgata ggcagtgctc acagataaat tgggtaccca taaaatggcc 300
 ttgcttccaa ggaaatggca aacagggtta gttccaggat caactcccat aagttgatga 360
 agcatttgat gattcattcc agaagtattt gagtggcaaa tagcaagtgc ctgagttctg 420
 gttccatcac cagccaccaa tggaaccatg aaagctgttg tttcacggac ttcattggcag 480
 ttaaatactg cagttctgaa atttagccta tgacacatca ct 522

<210> 29535
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017c01d1

<400> 29535

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 tcatatttaa cagcattaag cttgcaaact tgcaacaatg cagttagaga gaaataaacc 120
 aaaaaagtaa aataaaagaa agaattgggc caggtttctc ttattatatt tctctcactt 180
 tttccttgca ttgctgcagt aactattgaa aaattgcaac tcctcaaata cgactttcgc 240
 agaacattgc atactatagc agtcgagaag aacaactaac aataatgcct gtaaacagtg 300
 gtcgaacgca atccgatggg gtccttattt aacaacgaaa gtctacatgt atgaccaaca 360
 taagcaccat ggggtccaaa gacaaaaaca caagcttcat aacagtagga ggagattgca 420
 ttcagcgaag tttacaggat gctatcctac aatccacct togttactta gtgcgcacta 480
 cgcataattt catgcangta accaccagtc attatgaggg acacaagtga cacaacacct 540
 gctggaaaga cttttctgat 560

<210> 29536
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017c02d1

<400> 29536

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 attttttatg caagttttac ccaacatttg gtgattttta gcttttaaacc gggttacaca 120

tggaataaag acccaaaaat gaatgacaga aatacaacat ttgcatttta cacttgacct 180
 ttcatagaaca catgagcctt gatgactcac ttttgctatt accaacattt gaaaactatt 240
 gtagtattat gcaaccactt accttcatgg aggtggctgt gtaacgtatt taagaacttt 300
 ggactttccc ttgagagtgt gcatgaaatt tggcaagccc tttctttcac cttttttgac 360
 gtgctttaag ttcccacaat gcagttagct tcttctgcgt gactaatgtg aacttagcct 420
 ttttcct 427

<210> 29537
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017c04d1

<400> 29537

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 ttcccctttt gggaaacacc gggtttaaatt ctactaaatt ttttttttgc ccaaccttca 120
 atttactaaa aggggcaaaa acctagtcca aataatttta aaagcaacaa aaagactact 180
 tgggctttta tttatttatc aaactttcca aatttttgaa atttaccaga tgaccagtc 240
 ccttggaacc tttttgtaac ttgggacata gggactttga ccataagggg gggttatctg 300
 aaaataaagg ggaaaggctt catggggctt taaaggaact gggacttttg ggggctccaa 360
 attttccttt ttctcctttt ttggg 385

<210> 29538
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017c05d1

<400> 29538

agagaatcca aaaccagatt ttattagatt gaaaagcgta actgtacatt gatagaaaca 60
 gtaaatcctt tatctgatga acagagttaç cccctacaa tccccattcc agtgatgact 120
 ccccgtagca attcaattac attgcccctc atgcatacct tttacagtct ccactaatca 180
 tcatatagca tctcaccagc agaaaggaaa gtctactgtc tggctgagac aactggccct 240

tccaccttga aagtggctcc ccagatttcc tcctcattag caggaactgc agtaatctta 300
 tttttaggat tctcatagca catcaatcct ccaacagctg tagagtagaa acatccttga 360
 gggaaagaag caagtgactt gccacaagca ccattaagca attctgcatc atcagcaaatt 420
 gctacgtagc catcagcagt tattccccaac tacagaggta ccttaccata ttgatcagat 480
 gccacaaaga gggtagaagt agatttgta aaac 514

<210> 29539
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017c06d1
 <400> 29539

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 caagaaatat gacgattttc aaatgactaa taaaggagaa ataaggatca aatgaaatcg 120
 ttaaccttat ttaaaagatc tctatacggc acctttcctt cttacctcta cctttttctc 180
 tactgaagca attaagcaac aaaacaatga cagctaaacc gagcaaattg ggagacgttc 240
 tattttttca tgtcttgata ttatctacat atacgcatca gcggttgaaa accctgagct 300
 gttatataat aaaactcagc ttgatataat atatctttga tcgcctttag tattgacaca 360
 cctgttcatt tcccttgaga atattatact tgcaaagagg acaagttgca ttcattctta 420
 accatttcac tatgcatgta gaatggaaat gatggttaca aggaagaaca tgaagttcag 480
 ctccatcctc ataagaagag 500

<210> 29540
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017c08d1
 <400> 29540

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 attaatacaga ctgaccaaca tagagtactg cgaaaaacaa atggaaagga tctagaatct 120
 taaacttctc taaaaatcaa catgatattc ctaaatacaa caagcagaaa tcaagatcaa 180

tgaaaacgct caaactcaga catatcaaaa ccaaacggta gagcaagttt caacagtgtc 240
acattatttg gtggctaaac aagatcaagg caacaaacta gaaggttatc caatcagctc 300
ttgcaagagc tcagtacctg tgagccagct tctccttttc caggtagttt tgaacatacg 360
cgtaggtgcc gacgagggga ccgagcaaaa gagtggcgct gatccaattc tcggagacct 420
tgtggtgaat ctctgtgggc aagtccttcc agagacctcg cataatcttt tgctggaaag 480
gggaaagcgc gtagatcact gatttta 507

<210> 29543
<211> 502
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017c12d1
<400> 29543

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gtataatata tcacacaaac gtagagtac atatatagag taaataataa atataagttt 180
aatttataca cacaaactat gagtatataa catcggtatc caaatattca acaagaattt 240
actttattac cgcacatgt taaaatgttg cgataaagtg gtgaaatcct attgaatgct 300
tgtgtcaaga tgctttgtag gatcaaagtg tgtataaatt aaactgttta tctatatata 360
tatatatatc ccacacttta attataagaa ggcttaatta attaacaagt tggaaaggga 420
atcccacaag atgcaatcgg tttttcgggc attaggagag ttaacatact gcttcaagct 480
agcgttcttg aggtagccac at 502

<210> 29544
<211> 500
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017d02d1
<400> 29544

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aatcaatac aaacttgatt aagataccat atatatagta ctagatataa atacacatat 120

ttcccagaag atcgacaacc taataataga tacatcatatc atgcatcaaa ctagtgaag 180
aagcagtggc ttcaatttca tacttaattc ccacccaat taaagcactt aatcttccat 240
gattgccaaa ttaattaagt agcccatggt gtccttcaaa aaccttgta tagtaatttt 300
tcttttctta tttttgaaag aagaagaaaa aaaaaaaagg actaaaagct ctacagcct 360
atctcactct ccaagagcaa ctggttacag ttagccgggg gatgaagata ctctcacia 420
acatcatcac aagccaattt cggagcatcg ttggcgagcc tatcagccac acgattcgcc 480
ttggtggaga cagaaacaaa 500

<210> 29545
<211> 524
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmst02400017d03d1
<400> 29545

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ccacattata ataaactaca taacccact tccttaccct ataataaacc tatttctcaa 180
tctttatatt tatattccct ttgttctgct gtttggtttt ttctcccct atctgacatt 240
gcttgatatt ttgtcacgag tattgatggg gattctgcaa aattgtttgg acatctacaa 300
ttttttattc taaacatgaa ttttcttccg agattccata gacaaaagca acagccgttc 360
caatttgaaa agaacaaaaa agaagggaaa agagtcctaa cctaaaatcc aagagaccac 420
atcgccatac tagctagtta agacctagat gcttagattc aacaaagtta tagtgatctt 480
tcacgggatg ttacaagct ttgcacgtct ngttctctga tcaa 524

<210> 29546
<211> 481
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017d05d1
<400> 29546

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gtgggcaagc cctgaattag ctaatatctt gaaagtagta actcccctgc ctccactatg 180
ttttcatgat ctttcattac tactagggcg agaaatccaa actgtcacaa taaattacct 240
gtgcaataac aagggtgcat tctctttcaa ttatttagct ttctccatca ttcattatca 300
tcatecttca tgtacttctc ttgcactgct gcaactgtaa attgctgaat taagggaagc 360
tcagaattca agtgaaactt tgaccacgaa aataagcaac ataattgata cattcatgat 420
tatcagaaca ctaattaaga cttcagcatt agcaagctcc aaaatgcaac ttagaggact 480
a 481

<210> 29547
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400017d06d1

<400> 29547

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ctaagtattg aaaactttga ggcacagcac ctactgcac taataatcag ttcaacaagt 180
taggattccc caagactaa aattcacact gactagaagt ctgggtagta ccacacacag 240
gattactccc ataatatata tacatgccac aattcccatt tgggtgatgt tcatttgaag 300
aagaatggct gacccttttg gaatgatcaa tcctttgtac ttgtttaaca tgaccctttt 360
caggaagac cctggaact ggcctactat gtgaaaactt caagtaggac ttttctgggg 420
ggtagttgaa gatagatgaa attggat 447

<210> 29548
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400017d07d1

<400> 29548

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 aaacaagtta tcatgtgata ttttgcaa at ccaaggtaaa acgataaatc tttccacaaa 180
 caaaaaaatg gctaataataa aatttcgatt cctcatctta ttttattgat ttttaatttga 240
 tataactaaat tttaaaagtt ttactttggt actaatagtg tttcaagttg aacaaattgg 300
 tcctttcctt gcattagttt tatgcactaa caatgcta at attgattgac gttacatacg 360
 ttcattcttat gtaacatctt atgtcaccaa gttgaccaag ttagtgtggt aatggacca 420
 cgtgaacggt atttgtgcca ccacacacag taatgttggg aga 463

<210> 29549
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017d09d1
 <400> 29549

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 cgaaatcctc gagactgggtg gggcgaaacc aggccttctc ctccagcgca tcagagtga 360
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<210> 29550
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017d10d1
 <400> 29550

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 cttaaaatgt ttgggaaaat ccaacatcga acatcacaca gaaatcagct ccagcttaaa 120
 acccccacg aagacgcaac accaagtgc gagttgactc cttctggatg ttgtagtcag 180
 cgagggtcct tccatcctct agctgtttgc cagcaaaaat aagcctttgc tgggtccggtg 240
 ggattccttc cttgtcctgg atcttcgcct tcacattgcc aatggcgctg gagctctcca 300
 cctcgagggt aatagtctta cccgtaaggg tcttgacgaa gatctgcata ccaccacgaa 360
 gacgcatcac caagtggaga gttgactcct tctggatggt gtagtcagca tgggtacgtc 420
 cgtcctcgag ctgtttgccg gcgaatataa gccttgctgg tctgggggga tac 473

<210> 29551
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017d12d1
 <400> 29551

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 aatacccaa tgccccatt ctcttacaac ctcataaaca ctatgtatgt ataatcaacc 180
 tcaaaaacca tccaattcac gcacaacaga ggtatcatte tcattatcat tataaattat 240
 aaaatctcat ctcatatca aattcagaca acaaaaaaga aaattcaatt aatctgatca 300
 cacctgcgcc tgatctctcc tttcctcca gtctgcacat tcaagagact caacttgtgc 360
 atcgccctag caaaaacctg aaagaatcta ttttgatcct tggcgaagggt ctccacaaag 420
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<210> 29552
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017e01d1
 <400> 29552

002220.ET.560

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aagaacacat acaagtacac aaaaaaaagg gggaaattca taaaaaata cagaaaaaaa 180
aaaacagaat tgagtaagag ggaaggaaac atagagaaaa ttttagcaat cagataataa 240
gaagccagta gtagtgcaaa agtcccttgc caagagtgtt ggaaccctt ttagttaagc 300
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gccaaagtgt ccatatgcag cagtcttcaa gaacctgcc tttccacccc tcttgagatc 420
aaggttgatg gagatcatgc caggcctgaa gtcaaaactc tccttcacaa tgctgaggat 480
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<210> 29553
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400017e05d1

<400> 29553

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tcacttgcaa ttctgcaatt gaaaccagct tagaatcgta aacaggaata tagttcttga 180
agactggcat acatgggttg agcagccttt ggtctgtcca ccattcccag tagaatatca 240
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<223> Clone ID: jC-gmst02400017e09d1

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<210> 29555

<211> 402

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400017e10d1

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ggctacaacg tatgaagaac aacctaaatt tacattttta ggcttaaaag tcaaaataat 180
aacccttcta attcaggaaa tccaattacc aaagtttttt tcttgcttta aagcccaaatt 240
ccaagaaccc aaaattgaca aaaaaaggac agggaaatgt caaaagggtt caggaaaacc 300
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<211> 520

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400017e11d1

<400> 29556

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